



## Environmental Restoration Program

# Long-term Operation and Maintenance First Quarter 2005 Report

Remediation Systems at  
ERP Sites SD-08, SD-10, and LF-13

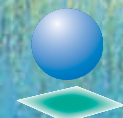
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July 2005



**CH2MHILL**

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# **Environmental Restoration Program**



## **Long-term Operation and Maintenance First Quarter 2005 Report for Remediation Systems at ERP Sites SD-08, SD-10, and LF-13**

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# Preface

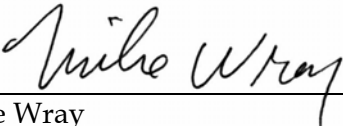
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CH2M HILL is performing Environmental A-E Services for Long-term Operation and Maintenance at Environmental Restoration Program Site 08 (Project No. BAEY 2004-7008, Task Order [TO] 0078), Site 10 (Project No. BAEY2004-7010, TO 0292), and Site 13 (Project No. BAEY 2005-7001, TO 0260) at Beale Air Force Base, California. This work is being conducted under the Air Force Center for Environmental Excellence Contract No. FA8903-04-D-8670 (TO 0078), F41624-03-D-8595 (TO 260), and F41624-01-D-8545 (TO 292).

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Mike Wray

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# Acronyms and Abbreviations

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µg/L	micrograms per liter
°F	degrees Fahrenheit
AFB	Air Force Base
AST	aboveground storage tank
Base	Beale Air Force Base
bgs	below ground surface
BTEX	benzene, toluene, ethylbenzene, and xylene
btoc	below top of casing
D	Deep
DCB	dichlorobenzene
DCE	dichloroethene
EISB	enhanced in situ bioremediation
EPA	U.S. Environmental Protection Agency
ERP	Environmental Restoration Program
gpm	gallons per minute
GTS	Groundwater Treatment System
GTTS	Groundwater Treatability Test System
HMI	human-machine interface
ISR	in situ respiration
LAW	Law Environmental, Inc.
LEL	lower explosive limit
LTO&M	long-term operation and maintenance
MCL	maximum contaminant level
MEK	methylethyl ketone
mg/kg	milligrams per kilogram
mg/L	milligrams per liter
O&M	operations and maintenance
PCE	tetrachloroethylene

PLC	programmable logic controller
ppbv	parts per billion by volume
ppmv	parts per million by volume
RPO	remedial process optimization
S	Shallow
SCADA	supervisory control and data acquisition
scfm	standard cubic feet per minute
SVE	soil vapor extraction
TCA	trichloroethane
TCE	trichloroethylene
TECA	tetrachloroethane
TPH	total petroleum hydrocarbon
TPH-D	diesel-range total petroleum hydrocarbons
TPH-G	gasoline-range total petroleum hydrocarbons
VEW	vapor extraction well
VGAC	vapor-phase granular-activated carbon
VMP	vapor monitoring point
VOC	volatile organic compound
VW	vent well
WDR	waste discharge requirement

## SECTION 1.0

# Introduction

---

The Long-term Operation and Maintenance (LTO&M) Project at Beale Air Force Base (AFB or Base) is performed through the Air Force Center for Environmental Excellence. This report provides a summary of the first quarter 2005 operation, monitoring, and maintenance of one biovent system, one soil vapor extraction (SVE) system, one enhanced in situ bioremediation (EISB) system, and one groundwater treatment system (GTS). Table 1-1 lists the remediation systems at the Environmental Restoration Program (ERP) sites, and Figure 1-1 shows the locations of the systems.

TABLE 1-1  
Beale AFB LTO&M Remediation Systems at ERP Sites  
*LTO&M First Quarter 2005 Report, Beale Air Force Base, California*

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Site and System Names
<b>Biovent System</b>
Site 8 Former J-57 Test Cell Biovent System
<b>Soil Vapor Extraction System</b>
Site 8 Former J-57 Test Cell SVE System
<b>Enhanced in Situ Bioremediation Treatment System</b>
Site 10 North J-58 Test Cell EISB Treatment System
<b>Groundwater Treatment System</b>
Site 13 Landfill No. 1 GTS

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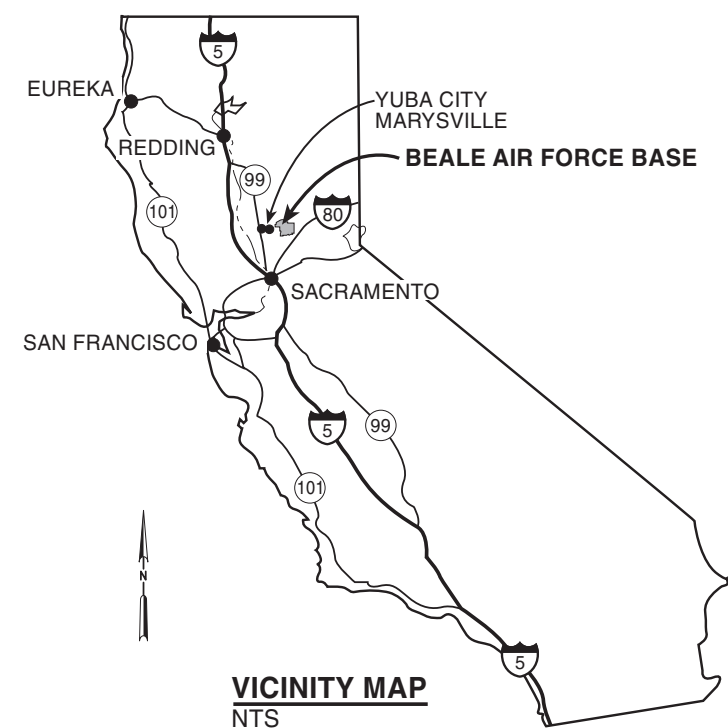
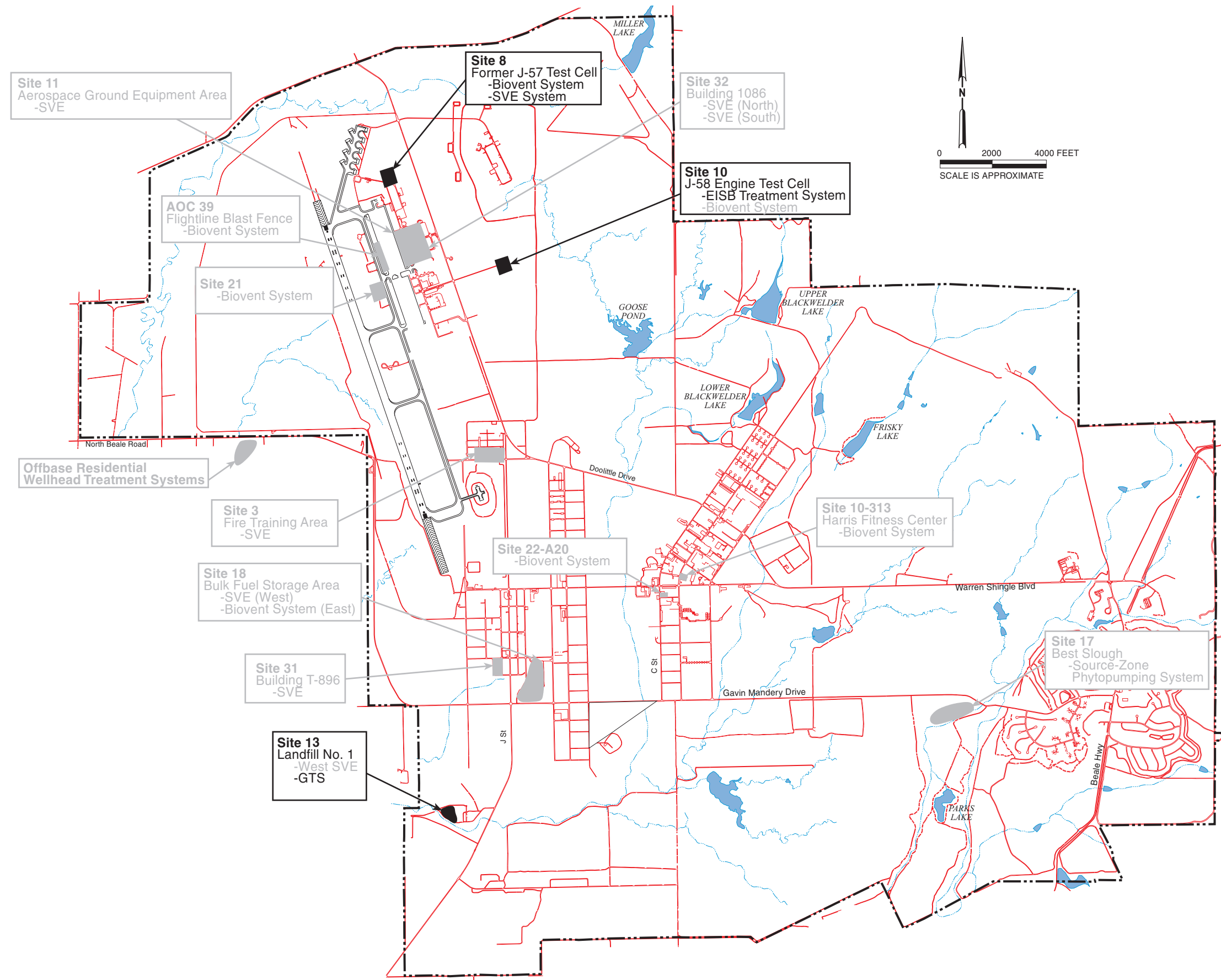
## 1.1 Objective

This quarterly report updates the Air Force Center for Environmental Excellence, Beale AFB, and regulatory agencies on the operating status of the remediation systems at Beale AFB. This quarterly report presents the data collected during first quarter 2005, and summarizes selected historical and current monitoring data for the systems. (Sections 2.0, 3.0, 4.0, and 5.0 present tables and figures referenced in each subsection at the end of each section.)

This report is organized as follows:

- **Section 1.0 – Introduction.** This section provides the objective of the report, a summary of significant operations and maintenance (O&M) activities conducted during first quarter 2005, and recommended activities for subsequent quarters.
- **Section 2.0 – Site 8 Biovent Remediation System.** This section provides a summary of first quarter 2005 operations and monitoring data, and recommendations for upcoming activities at the Site 8 biovent system.

- **Section 3.0 – Site 8 Soil Vapor Extraction System.** This section provides a summary of first quarter 2005 operations and monitoring data, and recommendations for upcoming activities for the Site 8 SVE system.
- **Section 4.0 – Site 10 Enhanced In Situ Bioremediation Treatment System.** This section provides a summary of first quarter 2005 operations and monitoring data, and recommendations for upcoming activities for the Site 10 EISB treatment system.
- **Section 5.0 – Site 13 Groundwater Treatment System.** This section provides a summary of first quarter 2005 operations and monitoring data, and recommendations for upcoming activities for the Site 13 GTS.
- **Section 6.0 – Works Cited.** This section provides complete reference information for all works cited in this report.
- **Appendix A – Validated Analytical Data.** This appendix includes laboratory results for soil vapor, groundwater, other samples, and groundwater treatment samples collected during first quarter 2005.
- **Appendix B – Site 10 Enhanced In Situ Bioremediation Treatment System Monitoring Data.** This appendix discusses the analytical results and field analysis of groundwater samples collected at Site 10 during first quarter 2005.



**FIGURE 1-1**  
**LOCATION OF BEALE AFB**  
**REMEDICATION SYSTEMS**  
 LTO&M FIRST QUARTER 2005 REPORT  
 BEALE AIR FORCE BASE, CALIFORNIA  
**CH2MHILL**

## 1.2 Summary of First Quarter 2005 Activities

Table 1-2 presents a summary of the LTO&M activities during first quarter 2005, with recommendations for actions during second quarter 2005.

TABLE 1-2

Summary of First Quarter 2005 Activities

*LTO&M First Quarter 2005 Report, Beale Air Force Base, California*

System Name	Summary of Activities for First Quarter 2005	Recommended Activities for Second Quarter 2005
Site 8 Biovent System	Collected baseline monitoring data, then started up biovent system for routine operation and monitoring.	Perform routine operation and monitoring. Perform baseline in situ respiration (ISR) test.
Site 8 SVE System	Collected baseline monitoring data, then started up SVE system for routine operation and monitoring. Shut down system because of flow restriction in lag vapor-phase granular-activated carbon (VGAC) vessel.  Collected pre-, mid-, and post-VGAC samples from the combined extracted soil vapor. All samples were analyzed for volatile organic compounds (VOC) by U.S. Environmental Protection Agency (EPA) Method TO-14 and total petroleum hydrocarbons gasoline-range organics (TPH-G) using EPA Method SW8015M.	Install new lag VGAC vessel and restart system for routine operation and monitoring.  Collect pre-, mid-, and post-VGAC samples from the combined extracted soil vapor. Perform baseline ISR test.
Site 10 EISB Treatment System	Started up system for routine operation and monitoring. Dosed injection wells with citric acid to mitigate biofouling. Reduced lactate injection to prevent biofouling.  Replaced flow control valves and installed check valves to prevent backflow from injection wells. Replaced one extraction pump.	Remove air relief valves from each injection well.  Perform aquifer test and update Site 10 groundwater model. Install a pre-treatment vessel to reduce dissolved oxygen concentrations in injected groundwater.  Install back pressure valves at injection point for sodium lactate. Install inline static mixers downstream of sodium lactate injection point.

TABLE 1-2

Summary of First Quarter 2005 Activities

*LTO&M First Quarter 2005 Report, Beale Air Force Base, California*

<b>System Name</b>	<b>Summary of Activities for First Quarter 2005</b>	<b>Recommended Activities for Second Quarter 2005</b>
Site 13 GTS	<p>Restarted the GTS, and performed routine operation and monitoring. Conducted monthly monitoring of the GTS influent and effluent. Collected groundwater samples from 11 extraction wells. Analyzed all groundwater samples for VOCs using EPA Method SW8260B.</p> <p>Replaced pump and motor in 13C001MW, and pressure tested wellhead at 13C001MW.</p> <p>Tested meter operations, and pump and motor operations on system startup.</p> <p>During March 2005, limited GTS operation to five extraction wells because of high water levels in Base aeration pond.</p> <p>Adjusted programming to record daily system flow rates.</p>	<p>Perform routine operation and monitoring. Conduct monthly monitoring of the GTS influent and effluent. Perform semiannual sampling of GTS extraction wells. Analyze all groundwater samples for VOCs using EPA Method SW8260B.</p> <p>Perform hydrostatic testing of Hutchinson Creek crossing. Restore operation of all 12 extraction wells after water levels subside in Base aeration pond.</p> <p>Replace flow totalizers at 13C050EW and 13O005EW.</p> <p>Add programming to record run-time hours for extraction wells and major process equipment.</p>

## SECTION 2.0

# Site 8 Biovent Remediation System

Section 2.0 provides a summary of the Site 8 biovent remediation system and includes the following information:

- System background and site description
- Summary of biovent system startup
- System operation and monitoring data collected and maintenance activities conducted during first quarter 2005
- Remedial Process Optimization (RPO) actions
- Site plan presenting the biovent system layout

Table 2-1 summarizes historical information and selected current operating data pertaining to the Site 8 biovent remediation system. A complete summary of previous site investigations and characterization, extent of contamination, and lithology for Site 8 was provided in the *Draft Site 8 SVE and Biovent System Operation and Maintenance Plan* (CH2M HILL, 2004b).

TABLE 2-1  
ERP Site 8 Biovent System Summary  
*LTO&M First Quarter 2005 Report, Beale Air Force Base, California*

Parameter	Summary Description
Site location	Former J-57 Test Cell, near the northern end of the flightline, in the western portion of the site (see Figure 2-1).
Source of contamination	Fueling and defueling operations, spills, leaks, and runoff associated with jet engine testing.
Contaminants of concern	TPH, including TPH-G, TPH as diesel (TPH-D), and TPH as jet fuel.
System history	<ul style="list-style-type: none"><li>• 1993: TPH and benzene detected in shallow vadose zone of the former aboveground storage tank (AST) area at concentrations of 336,000 and 10,000 parts per billion by volume (ppbv), respectively (Law Environmental, Inc. [LAW], 1996).</li><li>• 1999: TPH detected at 12,000,000 ppbv at 60 feet below ground surface (bgs) in the former AST area. Benzene and toluene were detected at 43,000 and 120,000 ppbv, respectively, at 60 feet bgs (CH2M HILL, 1999).</li><li>• 2003: Monitoring well 08C010MW installed beneath the former AST area. TPH-D detected in soil at 249.79 milligrams per kilogram (mg/kg) at 85 feet bgs. Benzene detected in shallow soil vapor at concentrations above the cleanup goal (69 ppbv) (CH2M HILL, 2004c).</li><li>• November 2004: Biovent system installed by CH2M HILL. System includes two vent well (VW) pairs and five dual-screen vapor monitoring points (VMP) (CH2M HILL, 2004b).</li><li>• February 2005: Biovent system becomes operational.</li></ul>
Depth range of VW screen intervals	30 to 80 feet.
Depth range of VMP screen Intervals	35 to 75 feet.
Air injection flow rate	Blower maximum rating: 92 standard cubic feet per minute (scfm).

## 2.1 Site 8 Biovent System Background and Description

The ERP Site 8 Former J-57 Test Cell is located in the northwest portion of Beale AFB near the northern end of the flightline area. Open fields and grazing lands surround Site 8. As shown on Figure 2-1, the site includes two concrete pads connected by asphalt paving, a former jet fuel AST, a septic leachfield, and a surface water drainage ditch. Figure 2-2 presents a process flow diagram of the Site 8 biovent system.

A biovent system and an SVE system are located at Site 8. The following sections address the Site 8 biovent system, and Section 3.0 addresses the Site 8 SVE system.

## 2.2 Summary of System Startup Activities

Baseline monitoring data for the Site 8 biovent system were collected on January 6 and February 1, 2005. The January 6 data were collected prior to startup of the Site 8 SVE system. The SVE system was shut down on January 27, 2005, and a second round of monitoring data were collected on February 1, 2005, to confirm that baseline conditions had been re-established. Table 2-2 presents the baseline data collected on January 6 and February 1, 2005.

The baseline data showed a background vacuum at all monitoring locations. The source of the vacuum is unknown. Oxygen concentrations were near-atmospheric at all locations except 08C043VW Shallow (S). Biodegradation is occurring at 08C043VWS, but is not oxygen-limited (i.e., oxygen concentrations were greater than 5 percent). Elevated VOC concentrations (5.1 to 91 parts per million by volume [ppmv]) were measured at 08C042VWS, 08C043VWS, 08C043VW Deep (D), 08C034VMP (S and D), and 08C035VMPS using a flame ionization detector. The highest VOC concentration (91 ppmv) was recorded at 08C043VWS. Methane (as a percent of the lower explosive limit [LEL]) was not detected at any of the monitoring locations.

The biovent system was started up on February 1, 2005, after the baseline readings were collected. After 4 hours of operation, pressure measurements were taken at the VWs and VMPS. The data are presented in Table 2-2. Positive pressures were recorded at each VMP screen interval.

After 1 week of operation, monitoring data were collected on February 8, 2005 (see Table 2-2). The data showed near-atmospheric oxygen concentrations at all locations. VOC concentrations remained elevated at 08C043VW (S and D), 08C034VMP (S and D), and 08C035VMPS. The biovent system was shut down on February 8, 2005, after the monitoring data were collected. Because of ongoing operational difficulties at the Site 8 SVE system, the Site 8 biovent system was restarted on February 16, 2005, and operated for the rest of first quarter 2005. First quarter operation and monitoring activities are discussed in Section 2.3.

## 2.3 Summary of System Operation and Monitoring Activities

Table 2-3 presents the routine and nonroutine operation, monitoring, and maintenance activities conducted during first quarter 2005, and the activities planned as part of ongoing operation and monitoring of the Site 8 biovent system.

### **2.3.1 System Operation Data**

Table 2-4 summarizes operations and monitoring data for the Site 8 biovent system. Table 2-5 presents biweekly operations data.

### **2.3.2 System Monitoring Data**

Quarterly monitoring was not performed during first quarter 2005, following system startup activities. Regular quarterly monitoring during system operation will begin in second quarter 2005.

## **2.4 Remedial Process Optimization Actions for Site 8 Biovent System**

Table 2-6 presents a summary of RPO actions planned for completion in second quarter 2005, for the Site 8 biovent system.

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TABLE 2-2  
ERP Site 8 Biovent System Baseline and Startup Monitoring Data, First Quarter 2005  
*LTO&M First Quarter 2005 Report, Beale Air Force Base, California*

Location	Screen Interval (feet bgs)	January 6, 2005					February 1, 2005					February 1, 2005	February 8, 2005				
		Vacuum (inches of water)	Oxygen (%)	Carbon Dioxide (%)	VOCs (ppmv)	Methane LEL (%)	Vacuum (inches of water)	Oxygen (%)	Carbon Dioxide (%)	VOCs (ppmv)	Methane LEL (%)	Pressure (inches of water)	Pressure (inches of water)	Oxygen (%)	Carbon Dioxide (%)	VOCs (ppmv)	Methane LEL (%)
08C034VMPS	35 to 45	1.8	20.9	0.0	22.0	0.0	1.4	20.8	0.0	28.0	0.0	0.9	0.5	20.9	0.0	28.0	0.0
08C034VMPD	65 to 75	1.9	20.7	0.0	6.0	0.0	1.4	20.8	0.0	8.0	0.0	0.7	0.3	20.9	0.0	8.0	0.0
08C035VMPS	35 to 45	1.9	20.7	0.0	16.0	0.0	1.7	20.7	0.0	18.0	0.0	0.7	0.3	20.7	0.0	18.0	0.0
08C035VMPD	65 to 75	1.9	20.8	0.0	0.0	0.0	1.7	20.8	0.0	0.0	0.0	0.5	0.1	20.9	0.0	0.0	0.0
08C036VMPS	35 to 45	1.8	20.8	0.0	0.0	0.0	1.7	20.8	0.0	0.0	0.0	0.5	0.2	20.9	0.0	0.0	0.0
08C036VMPD	65 to 75	1.9	20.9	0.0	0.0	0.0	1.7	20.9	0.0	0.0	0.0	0.2	0.2	20.9	0.0	0.0	0.0
08C038VMPS	35 to 45	1.5	20.7	0.0	0.0	0.0	1.6	20.7	0.0	0.0	0.0	0.5	0.3	20.7	0.0	0.0	0.0
08C038VMPD	65 to 75	1.6	20.9	0.0	0.0	0.0	1.7	20.8	0.0	0.0	0.0	0.6	0.3	20.8	0.0	0.0	0.0
08C039VMPS	35 to 45	1.7	20.9	0.0	0.0	0.0	1.3	20.8	0.0	0.0	0.0	0.2	0.4	20.8	0.0	0.0	0.0
08C039VMPD	65 to 75	1.7	20.8	0.0	0.0	0.0	1.1	20.7	0.0	0.0	0.0	0.2	0.1	20.8	0.0	0.0	0.0
08C042VWS	30 to 50	1.7	20.7	0.0	6.4	0.0	1.6	20.8	0.0	7.0	0.0	4.6	4.1	20.9	0.0	0.0	0.0
08C042VWD	60 to 80	1.8	20.8	0.0	0.0	0.0	1.7	20.8	0.0	0.0	0.0	4.6	4.0	20.8	0.0	0.0	0.0
08C043VWS	30 to 50	1.8	17.6	1.2	88.0	0.0	1.7	17.5	1.1	91.0	0.0	4.8	4.2	20.9	0.0	89.0	0.0
08C043VWD	60 to 80	1.8	20.7	0.0	5.1	0.0	1.7	20.8	0.0	6.0	0.0	5.1	4.3	20.8	0.0	5.0	0.0

TABLE 2-3

ERP Site 8 Biovent System – Operation, Monitoring, and Maintenance Activities, First Quarter 2005

*LTO&M First Quarter 2005 Report, Beale Air Force Base, California*

Description	Date	Planned Activity for Next Period	Comment
<b>Routine Activity</b>			
Performed biweekly monitoring.	Biweekly monitoring was performed twice during first quarter 2005.	Biweekly monitoring.	
Performed quarterly monitoring.	Quarterly monitoring was not performed during first quarter 2005.	Quarterly monitoring.	Regular quarterly monitoring during system operation will begin in second quarter 2005.
<b>Nonroutine Activity</b>			
None.			

TABLE 2-4

ERP Site 8 Biovent System – Summary of Operations and Monitoring Data, First Quarter 2005

*LTO&M First Quarter 2005 Report, Beale Air Force Base, California*

Parameter	Value	Comment
VWs operating (average flow rate [scfm])	08C042VWS (21), 08C042VWD (22), 08C043VWS (15), and 08C043VWD (19)	Well flow rates were measured during startup activities on February 1 and 8, 2005.
System discharge pressure (inches of water)	17 to 18	See Table 2-5.
Hours operated (hours)	1,206	
Percent uptime (percent)	56	System uptime was measured between January 1 and March 31, 2005.
Average system flow rate (scfm)	26	
Depth to groundwater (average)	97 feet bgs	Depth to groundwater was measured during January 2005, at all seven monitoring wells as part of the Basewide Groundwater Monitoring Program.

TABLE 2-5

ERP Site 8 Biovent System – Biweekly Operating Data, First Quarter 2005

*LTO&M First Quarter 2005 Report, Beale Air Force Base, California*

Date	Time	Blower Status	Hours Gauge	Pressure after Blower (inches of water)	Temperature after Blower (°F)	System Flow (scfm)	Comment
03/09/2005	8:20 AM	On	640.3	17.6	87	26	
03/23/2005	8:13 AM	On	976.2	17.7	80	26	

Note:

°F = degrees Fahrenheit

TABLE 2-6

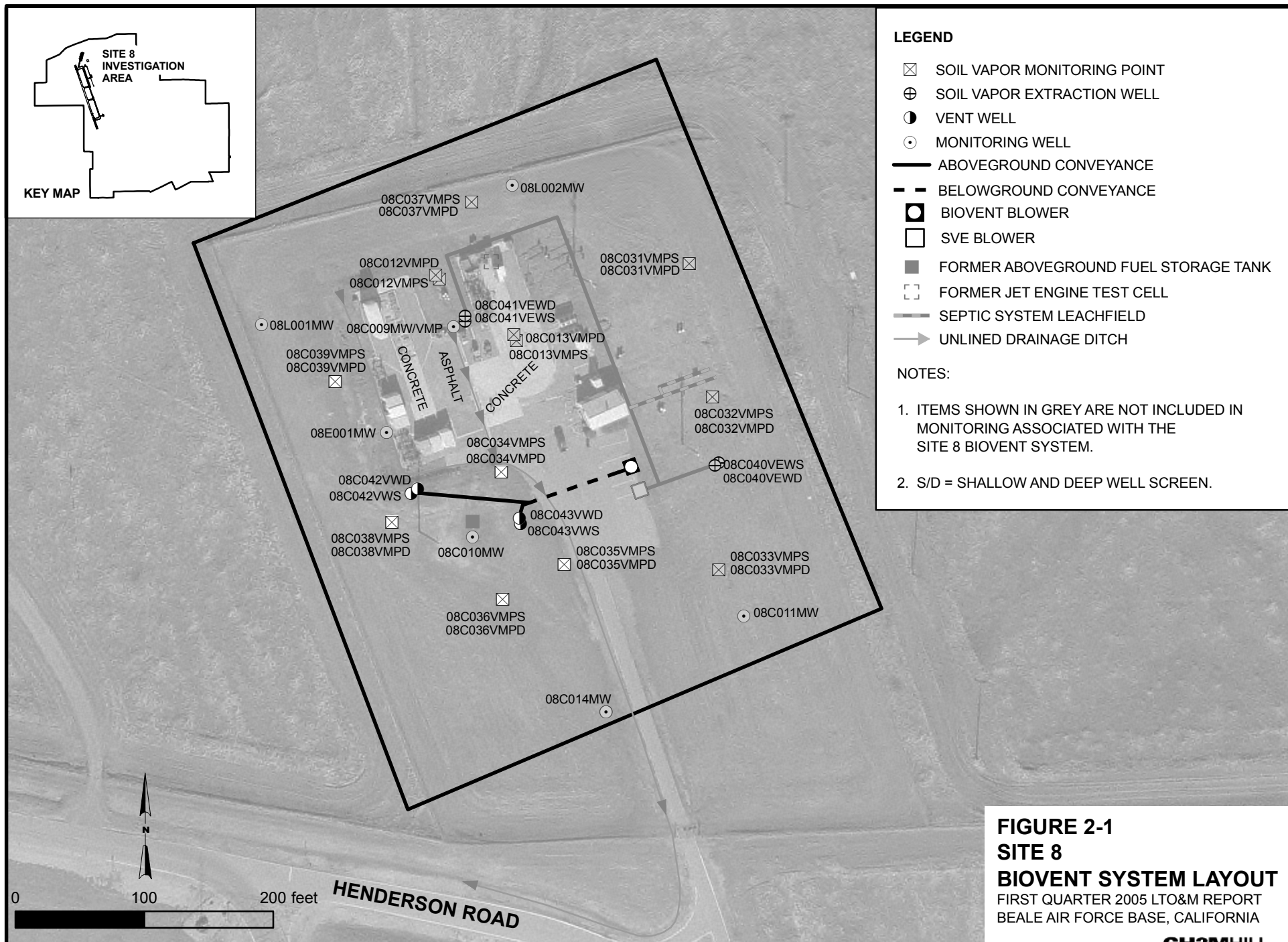
ERP Site 8 Biovent System – Optimization and Recommendations, First Quarter 2005

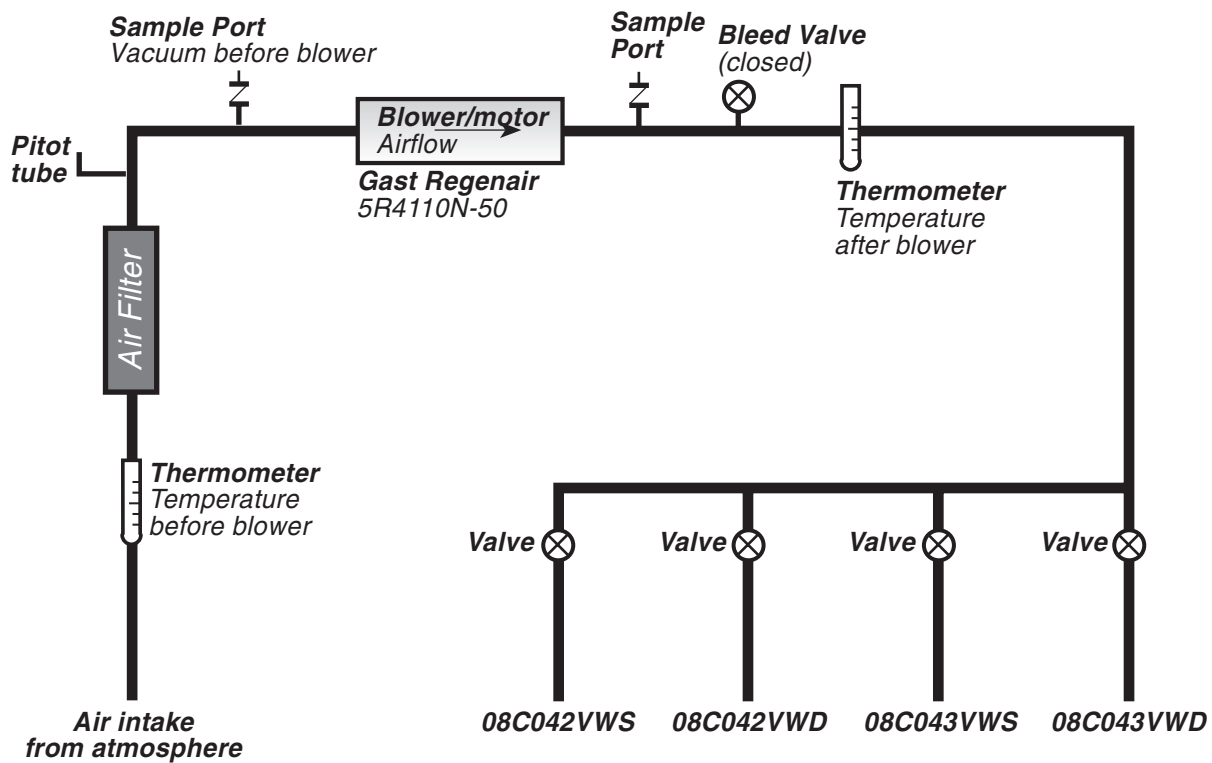
*LTO&M First Quarter 2005 Report, Beale Air Force Base, California*

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<b>Planned RPO Actions</b>			
<b>Activity</b>	<b>Status</b>	<b>Date</b>	<b>Comment</b>
Perform baseline ISR test.		Second quarter 2005.	Shut down system in April 2005 for baseline ISR testing. Restart system for routine operation at conclusion of test.
Measure flow rates to VWs.		Second quarter 2005.	Begin measuring flow rates to VWs during biweekly monitoring.

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**FIGURE 2-2**  
**SITE 8 BIOVENT SYSTEM**  
**PROCESS FLOW DIAGRAM**  
 LTO&M FIRST QUARTER 2005 REPORT  
 BEALE AIR FORCE BASE, CALIFORNIA

## SECTION 3.0

# Site 8 Soil Vapor Extraction System

Section 3.0 provides a summary of the Site 8 SVE remediation system and includes the following information:

- System background and site description
- Summary of SVE system startup
- System operation and monitoring data collected and maintenance activities conducted during first quarter 2005
- RPO actions
- Site plan presenting the SVE system layout

Table 3-1 summarizes historical information and selected current operating data pertaining to the Site 8 SVE remediation system. Laboratory analyses performed on soil vapor samples are provided in Appendix A. A complete summary of previous site investigations and characterization, extent of contamination, and lithology for Site 8 was provided in the *Draft Site 8 SVE and Biovent System Operation and Maintenance Plan* (CH2M HILL, 2004b).

TABLE 3-1  
ERP Site 8 SVE System Summary  
*LTO&M First Quarter 2005 Report, Beale Air Force Base, California*

Parameter	Summary Description
Site location	Former J-57 Test Cell, near the northern end of the flightline, in the eastern portion of the site (see Figure 3-1).
Source of contamination	Fueling and defueling operations, degreasing activities, spills, leaks, and runoff associated with jet engine testing.
Contaminants of concern	Trichloroethylene (TCE); TPH; and benzene, toluene, ethylbenzene, and xylene (BTEX).
System history	<ul style="list-style-type: none"> <li>• 1993: TCE and TPH detected in shallow vadose zone between concrete test pads at 4,100 and 5,000 ppbv, respectively. TPH detected in the shallow vadose zone of the leachfield area at maximum concentration of 167,000 ppbv. BTEX compounds also detected (LAW, 1996).</li> <li>• 1999: TCE and TPH detected in the test pad area at maximum concentrations of 34,000 and 24,000 ppbv, respectively. TPH detected in the leachfield area at maximum concentration of 270,000 ppbv. TPH concentrations highest near suspected locations of leachfield lines. TCE and benzene detected in leachfield area above the cleanup goals (350 and 69 ppbv, respectively) (CH2M HILL, 1999).</li> <li>• 2003: TCE detected in the test pad area at maximum concentration of 11,600 ppbv. Results of a GORE-SORBER® survey showed a TCE "hot spot" between the concrete test pads. Benzene detected in shallow soil vapor in leachfield area at 89.2 ppbv (CH2M HILL, 2004c).</li> <li>• November 2004: SVE system installed by CH2M HILL to remediate TCE, BTEX, and TPH contamination in the test pad and leachfield areas. System includes two 2,000-pound VGAC units, two vapor extraction well (VEW) pairs, and seven VMPs (two S/D pairs and five nested completions) (CH2M HILL, 2004d).</li> <li>• January 2005: SVE system started up and then shut down because of flow restriction in lag VGAC vessel.</li> </ul>
Depth range of VEW screen intervals	30 to 80 feet.
Depth range of VMP screen Intervals	9 to 90 feet.

## 3.1 Site 8 SVE System Background and Description

The ERP Site 8 Former J-57 Test Cell is located in the northwest portion of Beale AFB near the northern end of the flightline area. Open fields and grazing lands surround Site 8. The site includes two concrete pads connected by asphalt paving, a former jet fuel AST, a septic leachfield, and a surface water drainage ditch (see Figure 3-1). The following sections address the Site 8 SVE system. Figure 3-2 presents a process flow diagram of the Site 8 SVE system.

## 3.2 Summary of System Startup Activities

Baseline monitoring data for the Site 8 SVE system were collected on January 6 and January 17, 2005. The data are presented in Table 3-2. The baseline data showed a background vacuum at all monitoring locations. The source of the vacuum is unknown. Oxygen concentrations were near-atmospheric at all locations. Elevated VOC concentrations (11 to 87 ppmv) were measured at 08C040VEW (S and D) and 08C041VEWS using a flame ionization detector. The highest VOC concentration (87 ppmv) was recorded at 08C041VEWS. Methane (as a percent of the LEL) was not detected at any of the monitoring locations.

With the biovent system off, the SVE system was started up on January 24, 2005. After 8 hours and 24 hours of operation, vacuum measurements were taken at the VEWs and VMPs. The data are presented in Table 3-2. After 8 hours, vacuums were recorded at 10 of the 18 VMP screen intervals. After 24 hours, vacuums were recorded at all VMP screen intervals.

The SVE system operated for approximately 74 hours, until it was shut down on January 27, 2005, because of a flow restriction in the lag VGAC vessel. The restriction was identified after high amperages were measured at the blower motor, and elevated pressures were measured at the blower exit and between the two VGAC vessels. The restriction was caused by inadequate outflow piping inside the lag vessel. The system remained off for the rest of first quarter 2005.

A new lag carbon vessel containing 2,000 pounds of virgin VGAC was installed on April 1, 2005. System testing confirmed that the flow restriction was eliminated. The SVE system was successfully restarted on April 4, 2005. Operation and monitoring of the retrofitted system will be described in the *LTO&M Second Quarter 2005 Report*.

## 3.3 Summary of System Operation and Monitoring Activities

Table 3-3 presents the routine and nonroutine operation, monitoring, and maintenance activities conducted during first quarter 2005, and the activities planned as part of ongoing operation and monitoring of the Site 8 SVE system.

### 3.3.1 System Operation Data

Table 3-4 summarizes the major Site 8 SVE system operational parameters. Table 3-5 presents the biweekly system operations data. The system operated with the dilution valve partially open to reduce the amperage at the blower motor.

### 3.3.2 System Monitoring Data

Quarterly monitoring was not performed during first quarter 2005 following system startup activities. Regular quarterly monitoring during system operation will begin in second quarter 2005.

Pre-, mid-, and post-VGAC samples of the combined extracted soil vapor were collected on January 24, 2005, after 8 hours of operation. All samples were analyzed for VOCs using EPA Method TO-14 and for TPH-G using EPA Method SW8015M. Table 3-6 summarizes the detected results. Complete analytical results are provided in Appendix A for first quarter 2005.

The estimated mass removal rate on January 24, 2005, was 21 pounds per month of operation, and approximately 2.1 pounds of VOCs were extracted during first quarter 2005. TPH-G was not detected in the extracted soil vapor samples. Approximately 0.004 pound of VOCs was discharged from the SVE exhaust stack during first quarter 2005.

## 3.4 Remedial Process Optimization Actions for Site 8 SVE System

Table 3-7 presents a summary of RPO actions planned for completion in second quarter 2005, for the Site 8 SVE system.

TABLE 3-2

ERP Site 8 SVE System Baseline and Startup Monitoring Data, First Quarter 2005

*LTO&M First Quarter 2005 Report, Beale Air Force Base, California*

Location	Screen Interval (feet bgs)	January 6 and January 17, 2005					January 24, 2005 Vacuum (inches of water)	January 25, 2005 Vacuum (inches of water)
		Vacuum (inches of water)	Oxygen (%)	Carbon Dioxide (%)	VOCs (ppmv)	Methane LEL (%)		
08C009MW/VMP <sup>a</sup>	10	1.8	20.8	0.1	0.0	0.0	0.2	0.9
08C009MW/VMP <sup>a</sup>	25	1.6	20.8	0.0	0.0	0.0	0.8	1.3
08C009MW/VMP <sup>a</sup>	40	1.8	20.9	0.0	0.0	0.0	0.6	1.9
08C009MW/VMP <sup>a</sup>	55	1.6	20.9	0.0	0.0	0.0	0.8	2.0
08C009MW/VMP <sup>a</sup>	70	1.8	20.8	0.0	0.0	0.0	0.1	0.4
08C009MW/VMP <sup>a</sup>	85	1.6	20.9	0.0	0.0	0.0	0.1	0.8
08C012VMPS	20 to 40	1.9	20.8	0.0	0.0	0.0	0.0	0.6
08C012VMPD	60 to 80	1.9	20.7	0.0	0.0	0.0	0.0	0.9
08C013VMPS	15 to 35	1.8	20.8	0.0	0.0	0.0	0.3	0.8
08C013VMPD	70 to 90	1.8	20.9	0.0	0.0	0.0	0.3	0.6
08C031VMPS	35 to 45	2.1	20.9	0.0	0.0	0.0	0.1 <sup>b</sup>	0.4
08C031VMPD	65 to 75	1.9	20.9	0.0	0.0	0.0	0.3	0.4
08C032VMPS	35 to 45	1.7	20.9	0.0	0.0	0.0	0.3	0.7
08C032VMPD	65 to 75	1.9	20.8	0.0	0.0	0.0	0.1 <sup>b</sup>	0.5
08C033VMPS	35 to 45	1.8	20.7	0.0	0.0	0.0	0.0	0.3
08C033VMPD	65 to 75	1.8	20.7	0.0	0.0	0.0	0.6 <sup>b</sup>	0.3
08C037VMPS	35 to 45	2.0	20.9	0.0	0.0	0.0	0.0	0.5
08C037VMPD	65 to 75	1.9	20.9	0.0	0.0	0.0	0.2 <sup>b</sup>	0.2
08C040VEWS	30 to 50	2.0	20.8	0.0	11.0	0.0	27.5	27.9
08C040VEWD	60 to 80	2.0	20.7	0.0	23.0	0.0	28.2	28.9
08C041VEWS	30 to 50	1.7	20.9	0.0	87.0	0.0	6.7	7.1
08C041VEWD	60 to 80	1.9	20.8	0.0	0.0	0.0	7.5	8.0

<sup>a</sup>Baseline data at 08C009MW/VMP was collected on January 17, 2005.<sup>b</sup>Positive pressure recorded at this location on January 24, 2005.

TABLE 3-3

ERP Site 8 SVE System – Operation, Monitoring, and Maintenance Activities, First Quarter 2005

*LTO&M First Quarter 2005 Report, Beale Air Force Base, California*

Description	Date	Planned Activity for Next Period	Comment
<b>Routine Activity</b>			
Biweekly and quarterly monitoring.	Biweekly monitoring was performed four times. Quarterly monitoring was not performed during first quarter 2005 following system startup.	Biweekly and quarterly monitoring.	Regular biweekly and quarterly monitoring during system operation will resume in second quarter 2005.
Collected pre-, mid-, and post-VGAC samples from the combined extracted soil vapor.	January 24, 2005.	Collect pre-, mid-, and post-VGAC samples from the combined extracted soil vapor.	Collect quarterly pre-, mid-, and post-VGAC samples from the combined extracted soil vapor during second quarter 2005. Collect soil vapor samples from operating VEWs during third or fourth quarter 2005.
<b>Nonroutine Activity</b>			
Shut down SVE system because of a flow restriction in the lag VGAC vessel.	January 27, 2005.	Install a new lag carbon vessel containing 2,000 pounds of virgin VGAC. Restart SVE system.	A new lag VGAC vessel was installed on April 1, 2005. The SVE system was successfully restarted on April 4, 2005.

TABLE 3-4

ERP Site 8 SVE System – Summary of Operations and Monitoring Data, First Quarter 2005

*LTO&M First Quarter 2005 Report, Beale Air Force Base, California*

Parameter	Value	Comment
Extraction wells operating	08C040VEW (S and D) and 08C041VEW (S and D)	100 percent open.
System vacuum (inches of water)	35 to 38	See Table 3-5.
Hours operated	74	
Percent uptime	3 <sup>a</sup>	See Table 3-5.
Total system flow rate (scfm)	409 to 563 <sup>b</sup>	See Table 3-5.
Total VOC concentration in extracted soil vapor (ppmv)	5.4	
Estimated VOC mass extraction rate (pounds per month)	21 <sup>c</sup>	
Estimated mass of VOCs extracted (pounds)	2.1	
Estimated cumulative mass of total VOCs extracted (excluding TPH) (pounds)	2.1	
Knockout water transported to GTS (gallons)	0	See Table 3-5.
Depth to groundwater (feet bgs) (average) <sup>d</sup>	97 (January 2005)	

<sup>a</sup>Measured between January 1 and March 31, 2005.<sup>b</sup>Measured at system exhaust stack and includes dilution air.<sup>c</sup>Calculated using an estimated system flow rate without dilution air of 234 scfm.<sup>d</sup>Depth to groundwater was measured during January 2005, at all seven monitoring wells as part of the Basewide Groundwater Monitoring Program.

TABLE 3-5

ERP Site 8 SVE System – Biweekly Operations Data, First Quarter 2005

*LTO&M First Quarter 2005 Report, Beale Air Force Base, California*

<b>Date</b>	<b>Time</b>	<b>Hours Gauge</b>	<b>Blower Status</b>	<b>Vacuum before Filter (inches of water)</b>	<b>Flow Rate (scfm)<sup>a</sup></b>	<b>Knockout Water Transported (gallons)</b>	<b>Comment</b>
01/24/05	7:00 AM	6,841.4	Restart	37.3	525	0	System was started up.
01/24/05	8:00 AM	6,842.4	On	36.3	409	0	
01/24/05	3:00 PM	6,850.3	On	35.5	563	0	
01/25/05	6:55 AM	6,865.3	On	35.2	--	0	
01/27/05	--	6,915.8	Off	--	--	--	System was shut down because of a flow restriction in the lag VGAC vessel.

<sup>a</sup>Total system flow rate including dilution air.

Note:

-- = data not recorded

TABLE 3-6

ERP Site 8 SVE System – Summary of Detected Soil Vapor Analytical Results, First Quarter 2005

*LTO&M First Quarter 2005 Report, Beale Air Force Base, California*

Sample Date	Sample Location	Analyte	Result (ppbv)
1/24/2005	Pre-carbon	1,1,2,2-TeCA	34.6 J
		1,2,4-Trichlorobenzene	22.9 J
		1,2,4-Trimethylbenzene	8.52 J
		1,2-Dichlorobenzene	16.5 J
		1,3,5-Trimethylbenzene	6.92 J
		1,3-DCB	11.7 J
		1,4-DCB	12.8 J
		Benzene	3.2 J
		Chloroform	5.33 J
		Chloromethane	6.39 J
		Hexachlorobutadiene	26.1 J
		Methylene chloride	107 J
		Styrene	4.79 J
		TCE	5,240 J
		trans-1,3-Dichloropropene	2.83 R
		Trichlorofluoromethane	3.2 J
1/24/2005	Mid-carbon	1,1,2,2-TeCA	0.43 J
		1,2,4-Trichlorobenzene	1.45 J
		1,2,4-Trimethylbenzene	0.65 J
		1,2-Dichlorobenzene	0.78 J
		1,3,5-Trimethylbenzene	0.35 J
		1,3-DCB	0.6 J
		1,4-DCB	0.75 J
		Benzene	0.58 J
		Chlorobenzene	0.25 J
		Chloromethane	0.9 J
		Ethylbenzene	0.58 J
		m,p-Xylene	1.98 J
		Methylene chloride	17.2 J
		o-Xylene	0.7 J
		Styrene	0.48 J
		TCE	0.8 J
		Toluene	2.5 J
		trans-1,3-Dichloropropene	0.13 R
		Trichlorofluoromethane	0.5 J

TABLE 3-6

ERP Site 8 SVE System – Summary of Detected Soil Vapor Analytical Results, First Quarter 2005

*LTO&M First Quarter 2005 Report, Beale Air Force Base, California*

Sample Date	Sample Location	Analyte	Result (ppbv)
1/24/2005	Post-carbon	1,2,4-Trichlorobenzene	0.36 J
		Benzene	0.45 J
		Chloromethane	0.89 J
		m,p-Xylene	0.74 J
		Methylene chloride	5.33 J
		TCE	1.61 J
		Toluene	1.07 J
		trans-1,3-Dichloropropene	0.12 R

## Notes:

Results shown in **bold** exceed cleanup goal.

DCB = dichlorobenzene

J = The analyte was positively identified, but the quantitation is an estimate.

R = The data are unusable because of deficiencies in the ability to analyze the sample and meet quality control criteria.

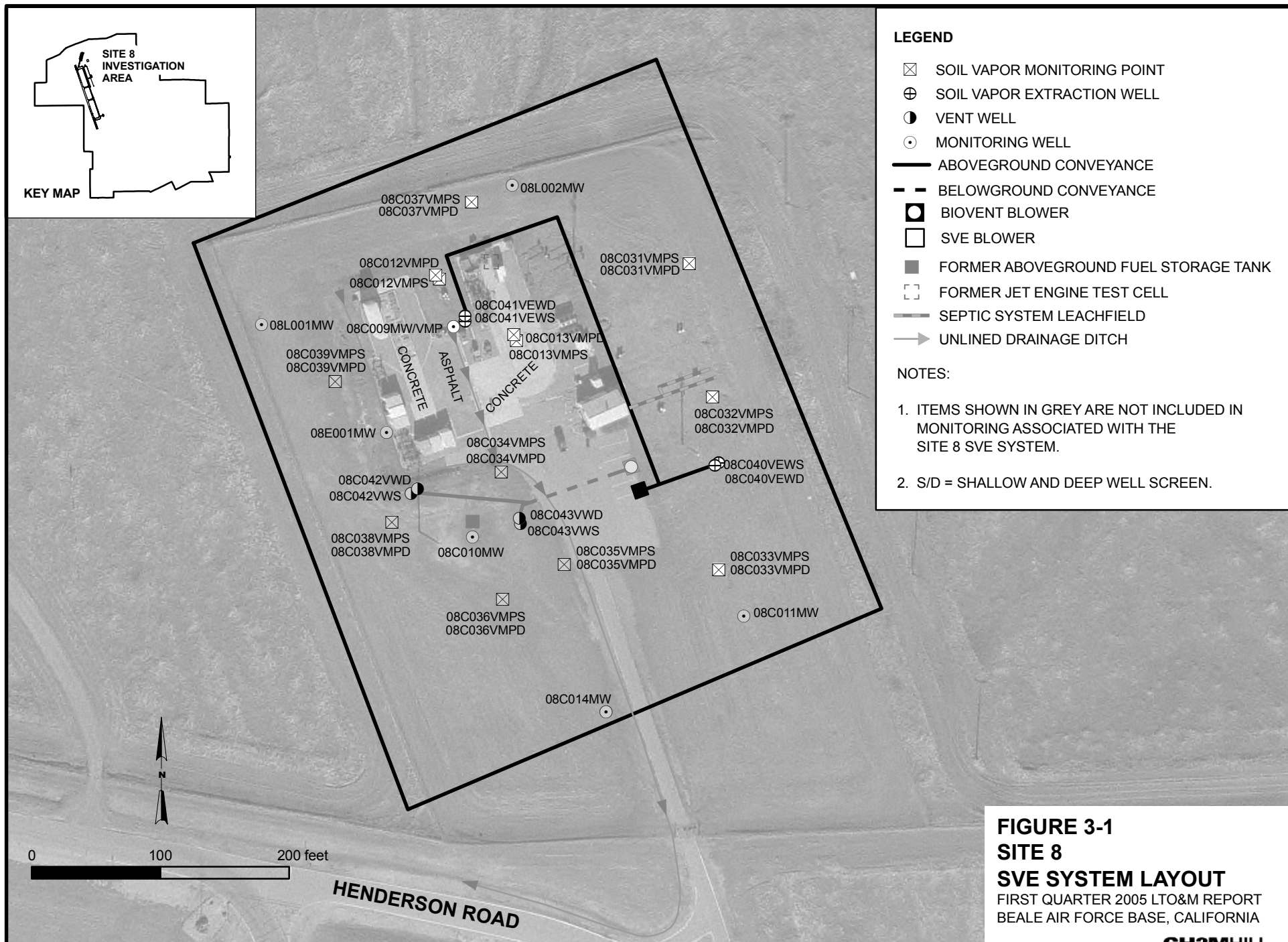
TeCA = tetrachloroethane

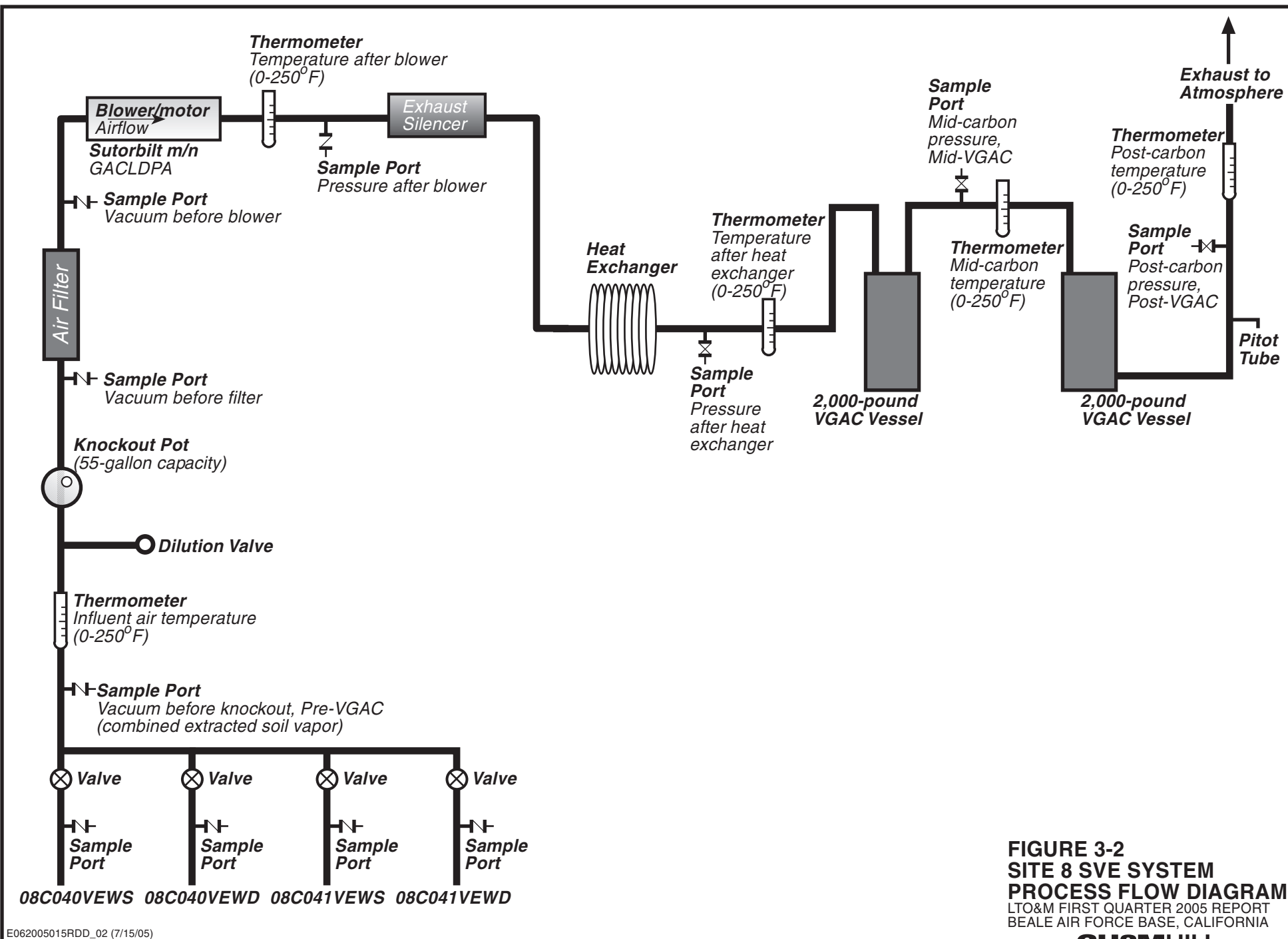
TABLE 3-7

ERP Site 8 SVE System – Optimization and Recommendations, First Quarter 2005

*LTO&M First Quarter 2005 Report, Beale Air Force Base, California*

Planned RPO Actions			
Activity	Status	Date	Comment
Perform baseline ISR test.		Second quarter 2005.	Shut down system in April 2005, for baseline ISR testing. Restart system for routine operation at conclusion of test.





**FIGURE 3-2**  
**SITE 8 SVE SYSTEM**  
**PROCESS FLOW DIAGRAM**  
LTO&M FIRST QUARTER 2005 REPORT  
BEALE AIR FORCE BASE, CALIFORNIA

## SECTION 4.0

# Site 10 Enhanced In Situ Bioremediation Treatment System

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Section 4.0 provides a summary of the Site 10 EISB treatment system and includes the following information:

- System background and site description
- Summary of EISB treatment system startup
- System operation and monitoring data collected and maintenance activities conducted during first quarter 2005
- RPO actions
- Site plan presenting the EISB treatment system layout

Table 4-1 summarizes historical information and selected current operating data regarding the Site 10 EISB treatment system. Laboratory analyses performed during first quarter 2005 are provided in Appendix B.

TABLE 4-1  
ERP Site 10 EISB Treatment System Summary  
*LTO&M First Quarter 2005 Report, Beale Air Force Base, California*

Site Parameter	Summary Description
Site location	East of Doolittle Drive and the flightline area (see Figure 4-1).
Source of contamination	Aircraft maintenance and testing activities.
Contaminants of concern	Chlorinated solvents.
System history	<ul style="list-style-type: none"><li>• 2002: Remedial investigation determined chlorinated solvents in upper groundwater zone required remediation.</li><li>• 2003: Draft Final Record of Decision selected EISB as remedy for groundwater source area and monitored natural attenuation for distal portion of solvent plume.</li><li>• 2003 to 2004: Conducted a bench-scale and pilot-scale testing of bioremediation technology.</li><li>• January 2005: Completed Phase 1 of the EISB treatment system.</li></ul>
Depth of well screen intervals	35 to 70 feet bgs at Site 10.
Depth to groundwater	Approximately 40 feet bgs.

## 4.1 Site 10 EISB Treatment System Background and Description

The ERP Site 10 North J-58 Test Cell is located in the northwestern part of Beale AFB, east of Doolittle Drive and the flightline area (see Figure 4-1). In 2004, construction of Phase 1 of the full-scale EISB treatment system at Site 10 was installed. Figure 4-2 presents a process flow diagram of the Site 10 EISB treatment system. EISB is being used to treat chlorinated VOC contamination in the groundwater source area (defined as groundwater with TCE concentrations greater than 100 micrograms per liter [ $\mu\text{g/L}$ ]). The remedial action objectives are described in Section 5.6 of the *Site 10 Remedial Action Summary Report* (CH2M HILL, 2005).

## 4.2 Summary of System Startup Activities

The EISB treatment system was completed on January 13, 2005, and groundwater recirculation began on January 14, 2005. The EISB treatment system currently consists of four extraction wells and eight injection wells. System performance and compliance is assessed with 10 performance monitoring wells and seven compliance monitoring wells (see Table 4-2). As shown on Figure 4-1, all compliance monitoring wells are located outside the transition zone for the operating EISB treatment system.

The Site 10 EISB treatment system was recirculating water nearly continuously from January 14 through March 31, 2005. The site lost power over the weekend of February 19, 2005. The power was restored on Monday, February 21, 2005.

Biofouling was first observed in 10C037RW and 10C043RW on February 10, 2005. These wells were injecting groundwater under pressure. To reduce the risk of groundwater leaking out of the well, flow to these wells was reduced. On February 16, 2005, all eight injection wells were dosed with citric acid to mitigate biofouling. The discharge rate of lactate from each of the four chemical metering pumps was recalibrated at the injection point. The discharge rates were consistently higher than the original calibration performed on January 20, 2004. Therefore, the time of lactate injection was reduced. On March 17, 2005, the sodium lactate dose was reduced again in response to biofouling.

This type of routine dosing of the injection wells with a biofouling control agent (citric acid) is required to keep the bacteria from completely clogging the filter pack of the injection wells. Biofouling is particularly problematic during the preconditioning phase, when there is still dissolved oxygen in the groundwater. Aerobic bacteria grow faster and have a higher biomass yield than anaerobic bacteria.

Options for removing dissolved oxygen from the extracted groundwater are being evaluated. One option being evaluated is a pre-treatment vessel that removes dissolved oxygen by chemical and biological reduction. Typical additives for removal of dissolved oxygen, such as sodium thiosulfate, are not permitted in the Waste Discharge Requirements (WDR).

Mitigation measures include preventive treatment and shock treatment of the injection wells. Preventive treatment is for routine use before biofouling becomes problematic.

Shock treatment will be performed on an as-needed basis after biofouling has become problematic. Several options are being evaluated for both treatments. For example, injection of citric acid is a preventive measure, and adding citric acid and redeveloping the well is a shock treatment. A matrix of biofouling control measures will be included in the evaluation report to be published in summer 2005.

## 4.3 Summary of System Operation and Monitoring Activities

Table 4-3 presents the routine and nonroutine operation, monitoring, and maintenance activities conducted during first quarter 2005, and the activities planned as part of ongoing operation and monitoring of the Site 10 EISB treatment system.

### 4.3.1 System Operation Data

Table 4-4 summarizes groundwater recirculated and the sodium lactate that was injected by the Site 10 EISB treatment system.

Groundwater extraction has been fairly consistent when the extraction pumps are on. The EISB treatment system pumped 366,073 gallons of groundwater primarily from four extraction wells (see Table 4-5). The injection well 10C037RW had the lowest specific capacity during well installation. This well has consistently taken less water than the other injection wells. 10C041RW and 10C043RW have also taken less than average amounts of water during first quarter 2005. The average pumping rate, per extraction well, during first quarter 2005 was 0.84 gallons per minute (gpm).

Sodium lactate injection began on January 20, 2005. The updated estimated electron donor demand for the treatment area at Site 10 is 1,947 gallons of 60 percent sodium lactate per year. This is equivalent to 243 gallons per year or 4.7 gallons per week per injection well. The average lactate dosage rate for each injection well during this quarter was less than 4.7 gallons per week for each injection well (see Table 4-6). The average dosage rate for the quarter is roughly half that of the calculated demand for the treatment area. The dosage rate was reduced twice during the quarter to mitigate biofouling of the injection wells.

Citric acid was used twice during first quarter 2005 as a biofouling control. Biofouling control is discussed in Section 4.2.

### 4.3.2 Groundwater Monitoring Data

Appendix B provides a discussion of quarterly groundwater monitoring data collected during January 2005. Table 4-7 list the analytes detected in groundwater. Complete analytical results for first quarter 2005 are provided in Appendix B, Attachment B2.

## 4.4 Remedial Process Optimization Actions for Site 10 EISB Treatment System

Table 4-8 presents a summary of RPO actions planned for completion in second quarter 2005 for the Site 10 EISB treatment system. Before bioaugmenting with KB-1, the EISB treatment system must be operating consistently, and stable anaerobic conditions must be

established. Neither of these two criteria was observed during first quarter 2005. Therefore, bioaugmentation will be postponed until these conditions exist.

TABLE 4-2

ERP Site 10 EISB Treatment System – Transect 1 Well Identification and Classification

*LTO&M First Quarter 2005 Report, Beale Air Force Base, California*

Well Type	Number of Wells	Well Identification
Extraction wells	5	New – 10C030RW, 10C031RW, 10C032RW, and 10C045RW Existing – 10C024EW
Injection wells	8	New – 10C034RW, 10C036RW, 10C037RW, 10C038RW, 10C039RW, 10C041RW, and 10C043RW Existing – 10C022IW
Performance monitoring wells	8	New – 10C047MW, 10C048MW, 10C049MW, 10C054RW, and 10C055RW Existing – 10C001MW, 10M004MW, and 10M006MW
Performance monitoring wells (Limited Monitoring)	2	New – 10C033RW and 10C040RW
Interim compliance monitoring wells (upper zone)	5	New – 10C035RW, 10C050RW, and 10C051RW Existing – 10C003MW and 10M005MW
Compliance monitoring wells (lower zone)	2	Existing – 10L001MW and 10R001MW

TABLE 4-3

ERP Site 10 EISB Treatment System – Operation, Monitoring, and Maintenance Activities, First Quarter 2005

*LTO&M First Quarter 2005 Report, Beale Air Force Base, California*

Description	Date	Comment
<b>Routine Activity</b>		
Visually inspected the system components for proper equipment operation.	Weekly	
Adjusted valve positions to balance out the flow from each extraction well to the adjacent injection wells. In cases where injection wells were injecting under pressure (well is full), the flow was reduced to avoid leaks.	Weekly	
<b>Nonroutine Activity</b>		
Replaced valves that control flow from extraction wells to injection wells with globe valves for better flow control.	February 2, 2005	
Installed check valves in lines between extraction and injection wells to prevent backflow/siphoning between injection wells.	February 2, 2005	
CH2M HILL conducted an independent audit of the system.	March 8, 2005	Site risks were identified and are being addressed.
Collected calibration data to identify the cause of unreliable flow data from the retriever units.	Weekly throughout March 2005	QED is running experiments in their lab to test various hypotheses.
Replaced the pneumatic extraction pump in 10C032RW with the pump from the pilot test system because of a faulty actuator.	March 16, 2005	The pump will be serviced by QED and returned for use in the EISB treatment system.
The pump head on chemical metering pump No. 4 (provides lactate to 10C030RW) was found to be cracked.	March 16, 2005	A replacement head was ordered and will be installed in April 2005.

TABLE 4-4

ERP Site 10 EISB Treatment System – Summary of Operations and Monitoring Data, First Quarter 2005

*LTO&M First Quarter 2005 Report, Beale Air Force Base, California*

Parameter	Value	Comment
Extraction wells operating	4	Pilot-test extraction well 10C024EW used temporarily during February 2005.
Volume of sodium lactate injected (gallons)	179	
Calculated lactate demand (percent)	48	
Average extraction well flow rate (gpm)	0.84	
Average depth to water at injection wells (feet btoc)	20.7	Biofouling clogging injection wells.
Depth to groundwater (feet bgs)	40	

Note:

btoc = below top of casing

TABLE 4-5

ERP Site 10 EISB Treatment System – Groundwater Injected, First Quarter 2005

*LTO&M First Quarter 2005 Report, Beale Air Force Base, California*

Month	10C022IW (0.70) <sup>a</sup>	10C034RW (0.40) <sup>a</sup>	10C036RW (0.50) <sup>a</sup>	10C037RW (0.10) <sup>a</sup>	10C038RW (0.48) <sup>a</sup>	10C039RW (0.60) <sup>a</sup>	10C041RW (0.28) <sup>a</sup>	10C043RW (0.28) <sup>a</sup>	Total (3.34) <sup>a</sup>
January	20,368	10,599	24,103	6,331	12,103	22,507	10,561	18,499	125,072
February	28,098	20,558	15,228	5,035	17,601	22,643	10,614	5,531	125,306
March	28,052	12,231	15,587	0	23,236	20,928	9,414	6,246	115,695
<b>Total</b>	<b>76,518</b>	<b>43,388</b>	<b>54,918</b>	<b>11,367</b>	<b>52,940</b>	<b>66,078</b>	<b>30,589</b>	<b>30,276</b>	<b>366,073</b>

<sup>a</sup>Value shown in parenthesis represents the average pumping rate (gpm).

Note:

Values are in gallons unless otherwise noted.

TABLE 4-6  
 ERP Site 10 EISB Treatment System – Sodium Lactate Injected, First Quarter 2005  
*LTO&M First Quarter 2005 Report, Beale Air Force Base, California*

Month	10C022IW	10C034RW	10C036RW	10C037RW	10C038RW	10C039RW	10C041RW	10C043RW	Total
January	8	4	7	2	3	5	3	6	37
February	19	15	10	4	8	20	11	7	94
March	2	6	3	1	4	14	14	4	48
<b>Quarterly Total</b>	<b>30</b>	<b>25</b>	<b>20</b>	<b>6</b>	<b>15</b>	<b>39</b>	<b>27</b>	<b>17</b>	<b>179</b>
<b>Rate (gallons/week)</b>	<b>2.97</b>	<b>2.53</b>	<b>1.97</b>	<b>0.64</b>	<b>1.46</b>	<b>3.91</b>	<b>2.70</b>	<b>1.73</b>	<b>18</b>

Note:

Values are in gallons unless otherwise noted.

TABLE 4-7  
Summary of Detected Compounds in Well Samples, First Quarter 2005  
*LTO&M First Quarter 2005 Report, Beale Air Force Base, California*

Date	Screen Interval (feet bgs)	Sample Location	Analyte	Result	Units
<b>Compliance Monitoring Well</b>					
1/17/2005	31 to 51	10C003MW	Acetone	1.8 F	µg/L
			Methane	0.6	µg/L
			TCE	2.03	µg/L
3/21/2005			Bromoform	0.39 F	µg/L
			Dibromochloromethane	0.18 F	µg/L
			Methane	0.14 F	µg/L
			TCE	1.69	µg/L
1/18/2005	50 to 62	10C035RW	cis-1,2-DCE	2.54	µg/L
			Manganese, dissolved	0.0013 F	mg/L
			Methane	0.23 F	µg/L
			PCE	0.33 F	µg/L
			<b>TCE</b>	<b>32.6</b>	µg/L
3/23/2005			Chloride	1.45	mg/L
			cis-1,2-DCE	3.59	µg/L
			Iron, dissolved	0.021 F	mg/L
			Manganese, dissolved	0.0261	mg/L
			Methane	0.21 F	µg/L
			Nitrate-N	2.33	mg/L
			PCE	0.4 F	µg/L
			Phosphate	0.3 F	mg/L
			Sulfate	2.97	mg/L
			Sulfide	1.4 F	mg/L
			<b>TCE</b>	<b>44.2</b>	µg/L
1/17/2005	32 to 52	10C050RW	Acetic acid	0.031 F	mg/L
			Chloroform	0.14 F	µg/L
			cis-1,2-DCE	1.87	µg/L
			Manganese, dissolved	0.0025 F	mg/L
			<b>PCE</b>	<b>29.5</b>	µg/L
			<b>TCE</b>	<b>242</b>	µg/L
1/18/2005			Methane	0.28 F	µg/L
3/22/2005			cis-1,2-DCE	1.51	µg/L
			Manganese, dissolved	0.0015 F	mg/L
			Methane	0.25 F	µg/L
			<b>PCE</b>	<b>23.3</b>	µg/L
			<b>TCE</b>	<b>149</b>	µg/L

**TABLE 4-7**  
 Summary of Detected Compounds in Well Samples, First Quarter 2005  
*LTO&M First Quarter 2005 Report, Beale Air Force Base, California*

<b>Date</b>	<b>Screen Interval (feet bgs)</b>	<b>Sample Location</b>	<b>Analyte</b>	<b>Result</b>	<b>Units</b>
1/20/2005	37 to 54	10C051RW	<b>cis-1,2-DCE</b>	<b>8.42 F</b>	µg/L
			Ethane	0.076 F	µg/L
			Manganese, dissolved	0.0557	mg/L
			Methane	0.2 F	µg/L
			<b>PCE</b>	<b>42.7 F</b>	µg/L
			<b>TCE</b>	<b>694</b>	µg/L
			Chloroform	0.85	µg/L
3/22/2005			<b>cis-1,2-DCE</b>	<b>11</b>	µg/L
			Manganese, dissolved	0.0006 F	mg/L
			Methane	0.16 F	µg/L
			<b>PCE</b>	<b>50.7</b>	µg/L
			<b>TCE</b>	<b>736</b>	µg/L
1/19/2005	23 to 42.5	10M005MW	Methane	0.17 F	µg/L
3/23/2005			Methane	0.12 F	µg/L
<b>Performance Monitoring Well</b>					
1/17/2005	28 to 48	10C001MW	Acetic acid	0.041 F	mg/L
			Chloride	22.9	mg/L
			Chloroform	0.69 F	µg/L
			<b>cis-1,2-DCE</b>	<b>301</b>	µg/L
			Iron, dissolved	0.012 F	mg/L
			Lactic Acid	0.027 F	mg/L
			Methane	0.38 F	µg/L
			Nitrate-N	1.52	mg/L
			<b>PCE</b>	<b>74.3</b>	µg/L
			Sulfate	9.98	mg/L
			<b>TCE</b>	<b>993</b>	µg/L
			trans-1,2-DCE	0.55 F	µg/L
			Chloride	23.4	mg/L
			Chloroform	0.74 F	µg/L
			<b>cis-1,2-DCE</b>	<b>342</b>	µg/L
3/21/2005			Iron, dissolved	0.008 F	mg/L
			Manganese, dissolved	0.0012 F	mg/L
			Methane	0.23 F	µg/L
			Nitrate-N	1.27	mg/L
			<b>PCE</b>	<b>91.3</b>	µg/L
			Phosphate	0.08 F	mg/L
			Sulfate	6.38	mg/L
			<b>TCE</b>	<b>1,000</b>	µg/L

**TABLE 4-7**  
 Summary of Detected Compounds in Well Samples, First Quarter 2005  
*LTO&M First Quarter 2005 Report, Beale Air Force Base, California*

<b>Date</b>	<b>Screen Interval (feet bgs)</b>	<b>Sample Location</b>	<b>Analyte</b>	<b>Result</b>	<b>Units</b>
1/18/2005	33 to 43	10C033RW	Acetone	1.2 F	µg/L
			<b>cis-1,2-DCE</b>	<b>14.4</b>	µg/L
			PCE	0.32 F	µg/L
			<b>TCE</b>	<b>20.7</b>	µg/L
1/18/2005	38 to 43	10C040RW	<b>cis-1,2-DCE</b>	<b>12.3</b>	µg/L
			<b>TCE</b>	<b>11.9</b>	µg/L
1/17/2005	32 to 52	10C047MW	Acetone	1.5 F	µg/L
			Chloride	48.5	mg/L
			<b>cis-1,2-DCE</b>	<b>8.57</b>	µg/L
			Iron, dissolved	0.008 F	mg/L
			Manganese, dissolved	0.0005 F	mg/L
			Methane	0.21 F	µg/L
			Nitrate-N	1.21	mg/L
			PCE	1.95	µg/L
			Sulfate	8.81	mg/L
			<b>TCE</b>	<b>27</b>	µg/L
			Acetone	6.5 F	µg/L
			Bromoform	0.7 F	µg/L
			Chloride	40.6	mg/L
			Chloroform	0.1 F	µg/L
			<b>cis-1,2-DCE</b>	<b>6.97</b>	µg/L
			Dibromochloromethane	0.25 F	µg/L
			Iron, dissolved	0.012 F	mg/L
			Methane	0.18 F	µg/L
			Nitrate-N	1.12	mg/L
			PCE	3.75	µg/L
3/21/2005			Phosphate	0.061 F	mg/L
			Sulfate	8.48	mg/L
			Sulfide	2.2	mg/L
			<b>TCE</b>	<b>37.4</b>	µg/L
			trans-1,2-DCE	0.87 F	µg/L
			1,1,2-TCA	0.34 F	µg/L
			Benzene	0.11 F	µg/L
			Chloride	9.15	mg/L
			Chloroform	1.41	µg/L
			<b>cis-1,2-DCE</b>	<b>178</b>	µg/L
1/18/2005	32 to 67	10C048MW	Ethane	0.21 F	µg/L
			Iron, dissolved	0.021 F	mg/L
			Manganese, dissolved	0.004 F	mg/L
			Methane	0.44 F	µg/L
			Nitrate-N	1.67	mg/L
			<b>PCE</b>	<b>31.1</b>	µg/L

**TABLE 4-7**  
 Summary of Detected Compounds in Well Samples, First Quarter 2005  
*LTO&M First Quarter 2005 Report, Beale Air Force Base, California*

Date	Screen Interval (feet bgs)	Sample Location	Analyte	Result	Units
3/22/2005			Sulfate	7.49	mg/L
			<b>TCE</b>	<b>1,660</b>	µg/L
			trans-1,2-DCE	0.51 F	µg/L
			Chloride	8.39	mg/L
			Chloroform	0.47	µg/L
			<b>cis-1,2-DCE</b>	<b>126</b>	µg/L
			Iron, dissolved	0.006 F	mg/L
			Methane	0.2 F	µg/L
			Nitrate-N	1.84	mg/L
			<b>PCE</b>	<b>6.38</b>	µg/L
			Phosphate	0.096 F	mg/L
			Sulfate	7.54	mg/L
			Sulfide	2.2	mg/L
			<b>TCE</b>	<b>435</b>	µg/L
			trans-1,2-DCE	0.32 F	µg/L
1/17/2005	33 to 68	10C049MW	1,1,2-TCA	0.38 F	µg/L
			Benzene	0.09 F	µg/L
			Chloride	27.7	mg/L
			Chloroform	0.86	µg/L
			<b>cis-1,2-DCE</b>	<b>146</b>	µg/L
			Ethane	0.31 F	µg/L
			Iron, dissolved	0.006 F	mg/L
			Manganese, dissolved	0.0009 F	mg/L
			Methane	0.57 F	µg/L
			Nitrate-N	1.19	mg/L
			<b>PCE</b>	<b>19.9</b>	µg/L
			Phosphate	0.051 F	mg/L
			Sulfate	12.4	mg/L
			<b>TCE</b>	<b>716</b>	µg/L
			trans-1,2-DCE	0.19 F	µg/L
3/21/2005			1,1,2-TCA	0.41 F	µg/L
			Chloride	30	mg/L
			Chloroform	0.74	µg/L
			<b>cis-1,2-DCE</b>	<b>155</b>	µg/L
			Ethane	0.085 F	µg/L
			Iron, dissolved	0.009 F	mg/L
			Methane	0.28 F	µg/L
			Nitrate-N	1.29	mg/L
			<b>PCE</b>	<b>16</b>	µg/L
			Phosphate	0.07 F	mg/L
			Sulfate	11.1	mg/L
			Sulfide	2.2	mg/L
			<b>TCE</b>	<b>603</b>	µg/L
			trans-1,2-DCE	1.46 F	µg/L

**TABLE 4-7**  
 Summary of Detected Compounds in Well Samples, First Quarter 2005  
*LTO&M First Quarter 2005 Report, Beale Air Force Base, California*

<b>Date</b>	<b>Screen Interval (feet bgs)</b>	<b>Sample Location</b>	<b>Analyte</b>	<b>Result</b>	<b>Units</b>
1/17/2005	240.4 to 260.4	10C054RW	Acetone	1.6 F	µg/L
			Chloride	9.3	mg/L
			Chloroform	0.75	µg/L
			cis-1,2-DCE	5.93	µg/L
			Iron, dissolved	0.009 F	mg/L
			Manganese, dissolved	0.0022 F	mg/L
			Methane	0.27 F	µg/L
			Nitrate-N	1.82	mg/L
			<b>PCE</b>	<b>93.9</b>	µg/L
			Sulfate	3.81	mg/L
			<b>TCE</b>	<b>696</b>	µg/L
			Chloride	9.55	mg/L
			Chloroform	0.72	µg/L
			<b>cis-1,2-DCE</b>	<b>6.06</b>	µg/L
3/22/2005			Iron, dissolved	0.007 F	mg/L
			Manganese, dissolved	0.001 F	mg/L
			Methane	0.19 F	µg/L
			Nitrate-N	1.81	mg/L
			<b>PCE</b>	<b>92</b>	µg/L
			Phosphate	0.15 F	mg/L
			Sulfate	3.72	mg/L
			Sulfide	5	mg/L
			<b>TCE</b>	<b>611</b>	µg/L
			1,1,1,2-TECA	0.58	µg/L
			1,1,2-TCA	1.29	µg/L
			1,1-DCE	0.17 F	µg/L
			Acetone	1.4 F	µg/L
			Chloride	25.7	mg/L
1/17/2005	275 to 295	10C055RW	Chloroform	1.06	µg/L
			<b>cis-1,2-DCE</b>	<b>88.5 F</b>	µg/L
			Manganese, dissolved	0.0273	mg/L
			Nitrate-N	1.84	mg/L
			<b>PCE</b>	<b>147</b>	µg/L
			Sulfate	7.62	mg/L
			<b>TCE</b>	<b>1,740</b>	µg/L
			trans-1,2-DCE	0.15 F	µg/L
			Ethane	0.82	µg/L
			Methane	1.51	µg/L
			1,1,2-TCA	0.99 F	µg/L
			Chloride	23.4	mg/L
			Chloroform	1.16 F	µg/L
3/22/2005					

**TABLE 4-7**  
 Summary of Detected Compounds in Well Samples, First Quarter 2005  
*LTO&M First Quarter 2005 Report, Beale Air Force Base, California*

<b>Date</b>	<b>Screen Interval (feet bgs)</b>	<b>Sample Location</b>	<b>Analyte</b>	<b>Result</b>	<b>Units</b>
			<b>cis-1,2-DCE</b>	<b>102</b>	µg/L
			Ethane	0.3 F	µg/L
			Iron, dissolved	0.024 F	mg/L
			Manganese, dissolved	0.0239	mg/L
			Methane	0.44 F	µg/L
			Nitrate-N	1.88	mg/L
			<b>PCE</b>	<b>165</b>	µg/L
			Phosphate	0.05 F	mg/L
			Sulfate	6.98	mg/L
			Sulfide	4.2	mg/L
			<b>TCE</b>	<b>1,570</b>	µg/L
			1,1-DCE	0.15 F	µg/L
			Acetic acid	34	mg/L
			Bromoform	0.13 F	µg/L
1/17/2005	36.4 to 56.4	10M004MW	Chloride	20.2	mg/L
			<b>cis-1,2-DCE</b>	<b>181</b>	µg/L
			Dibromochloromethane	0.19 F	µg/L
			Ethane	32.7	µg/L
			Iron, dissolved	2.64	mg/L
			Manganese, dissolved	13	mg/L
			Methane	5,900	µg/L
			PCE	0.4 F	µg/L
			Propionic acid	9.06	mg/L
			Sulfate	0.24 F	mg/L
			<b>TCE</b>	<b>34.3</b>	µg/L
			trans-1,2-DCE	1.04	µg/L
			<b>Vinyl chloride</b>	<b>54</b>	µg/L
			Acetic Acid	46.2	mg/L
3/21/2005			Acetone	23.4	µg/L
			Benzene	0.07 F	µg/L
			Chloride	20	mg/L
			cis-1,2-DCE	0.5 F	µg/L
			Ethane	47.2	µg/L
			Iron, dissolved	3.14	mg/L
			Lactic acid	1.53	mg/L
			Manganese, dissolved	8.31	mg/L
			MEK (2-Butanone)	41.2	µg/L
			Methane	16700	µg/L
			Propionic acid	51.3	mg/L
			Sulfate	0.035 F	mg/L
			Sulfide	3	mg/L

**TABLE 4-7**  
 Summary of Detected Compounds in Well Samples, First Quarter 2005  
*LTO&M First Quarter 2005 Report, Beale Air Force Base, California*

ETC&W First Quarter 2005 Report, Beale Air Force Base, California					
Date	Screen Interval (feet bgs)	Sample Location	Analyte	Result	Units
			TCE	0.1 F	µg/L
			Toluene	0.21 F	µg/L
			trans-1,2-DCE	0.16 F	µg/L
			Vinyl chloride	2.24	µg/L
1/18/2005	46 to 65.5	10M006MW	Bromoform	1.5 F	µg/L
			Chloride	2.85	mg/L
			Chloroform	0.19 F	µg/L
			cis-1,2-DCE	34.4	µg/L
			Dibromochloromethane	3.34 F	µg/L
			Methane	0.21 F	µg/L
			Nitrate-N	2.51	mg/L
			PCE	1.98	µg/L
			Sulfate	5.27	mg/L
			TCE	157	µg/L
			trans-1,2-DCE	0.1 F	µg/L
3/22/2005			Chloride	2.68	mg/L
			Chloroform	0.15 F	µg/L
			cis-1,2-DCE	25.3	µg/L
			Iron, dissolved	0.013 F	mg/L
			Manganese, dissolved	0.0009 F	mg/L
			Methane	0.15 F	µg/L
			Nitrate-N	2.44	mg/L
			PCE	1.76	µg/L
			Phosphate	0.051 F	mg/L
			Sulfate	4.1	mg/L
			Sulfide	1.8 F	mg/L
			TCE	139	µg/L
			trans-1,2-DCE	0.12 F	µg/L
Monitoring Well					
1/18/2005	90 to 110	10C006MW	Acetone	1.2 F	µg/L
			TCE	1.38	µg/L
1/19/2005	38.62 to 58.62	10C009MW	Bromoform	0.18 F	µg/L
			Chloroform	0.11 F	µg/L
			cis-1,2-DCE	0.36 F	µg/L
			PCE	1.13	µg/L
			TCE	44.3	µg/L
1/19/2005	46.5 to 61.5	10R004MW	PCE	0.18 F	µg/L
			TCE	5.74	µg/L

TABLE 4-7  
Summary of Detected Compounds in Well Samples, First Quarter 2005  
*LTO&M First Quarter 2005 Report, Beale Air Force Base, California*

Date	Screen Interval (feet bgs)	Sample Location	Analyte	Result	Units
<b>Extraction Wells</b>					
1/19/2005	40 to 58	10C030RW	Acetone	1.8 F	µg/L
			Chloroform	0.56	µg/L
			<b>cis-1,2-DCE</b>	<b>393</b>	µg/L
			Methane	0.21 F	µg/L
			<b>PCE</b>	<b>7</b>	µg/L
			<b>TCE</b>	<b>180</b>	µg/L
			trans-1,2-DCE	1.16	µg/L
			Chloroform	0.59	µg/L
			<b>cis-1,2-DCE</b>	<b>323</b>	µg/L
			Methane	0.19 F	µg/L
3/23/2005			<b>PCE</b>	<b>15.3</b>	µg/L
			<b>TCE</b>	<b>212</b>	µg/L
			trans-1,2-DCE	2.04	µg/L
1/19/2005	43 to 63	10C031RW	Chloride	12	mg/L
			Chloroform	1.38 F	µg/L
			<b>cis-1,2-DCE</b>	<b>107</b>	µg/L
			Iron, dissolved	0.019 F	mg/L
			Manganese, dissolved	0.0022 F	mg/L
			Methane	0.25 F	µg/L
			Nitrate-N	1.88	mg/L
			<b>PCE</b>	<b>231</b>	µg/L
			Phosphate	0.036 F	mg/L
			Sulfate	6.98	mg/L
3/23/2005			<b>TCE</b>	<b>3,340</b>	µg/L
			<b>cis-1,2-DCE</b>	<b>176</b>	µg/L
			Methane	0.22 F	µg/L
			<b>PCE</b>	<b>190</b>	µg/L
			<b>TCE</b>	<b>2,920</b>	µg/L
1/19/2005	43 to 63	10C032RW	Bromoform	1.82 F	µg/L
			Chloride	9.79	mg/L
			Chloroform	2.26 F	µg/L
			<b>cis-1,2-DCE</b>	<b>351</b>	µg/L
			Ethane	0.064 F	µg/L
			Iron, dissolved	0.011 F	mg/L
			Manganese, dissolved	0.0049 F	mg/L
			Methane	0.34 F	µg/L
			Nitrate-N	1.48	mg/L
			<b>PCE</b>	<b>55.7</b>	µg/L

TABLE 4-7  
Summary of Detected Compounds in Well Samples, First Quarter 2005  
*LTO&M First Quarter 2005 Report, Beale Air Force Base, California*

Date	Screen Interval (feet bgs)	Sample Location	Analyte	Result	Units
3/23/2005			Phosphate	0.048 F	mg/L
			Sulfate	6.62	mg/L
			<b>TCE</b>	<b>2,720</b>	µg/L
			trans-1,2-DCE	1.89 F	µg/L
			Chloroform	1.5	µg/L
			<b>cis-1,2-DCE</b>	<b>223</b>	µg/L
			Iron, dissolved	0.014 F	mg/L
			Methane	0.28 F	µg/L
			<b>PCE</b>	<b>66.1</b>	µg/L
			Sulfide	1.4 F	mg/L
			<b>TCE</b>	<b>1,830</b>	µg/L
			trans-1,2-DCE	0.77 F	µg/L
3/31/2005			Chloride	11.9	mg/L
			Nitrate-N	1.7	mg/L
			Sulfate	8.09	mg/L
1/19/2005	47 to 62	10C045RW	Chloroform	0.2 F	µg/L
			<b>cis-1,2-DCE</b>	<b>36.9</b>	µg/L
			Methane	0.2 F	µg/L
			PCE	2.12	µg/L
			<b>TCE</b>	<b>169</b>	µg/L
			trans-1,2-DCE	0.13 F	µg/L
			Chloroform	0.16 F	µg/L
			<b>cis-1,2-DCE</b>	<b>27.6</b>	µg/L
			Lactic acid	1.49	mg/L
			Methane	0.13 F	µg/L
3/23/2005			PCE	1.66	µg/L
			<b>TCE</b>	<b>124</b>	µg/L
			trans-1,2-DCE	0.15 F	µg/L

## Notes:

Results shown in **bold** exceed the state Maximum Contaminant Level (MCL).

DCE = dichloroethene

F = The analyte was positively identified, but the associated numerical value is at or below the reporting limit.

MEK = methylethyl ketone

mg/L = milligrams per liter

PCE = tetrachloroethylene

TCA = trichloroethane

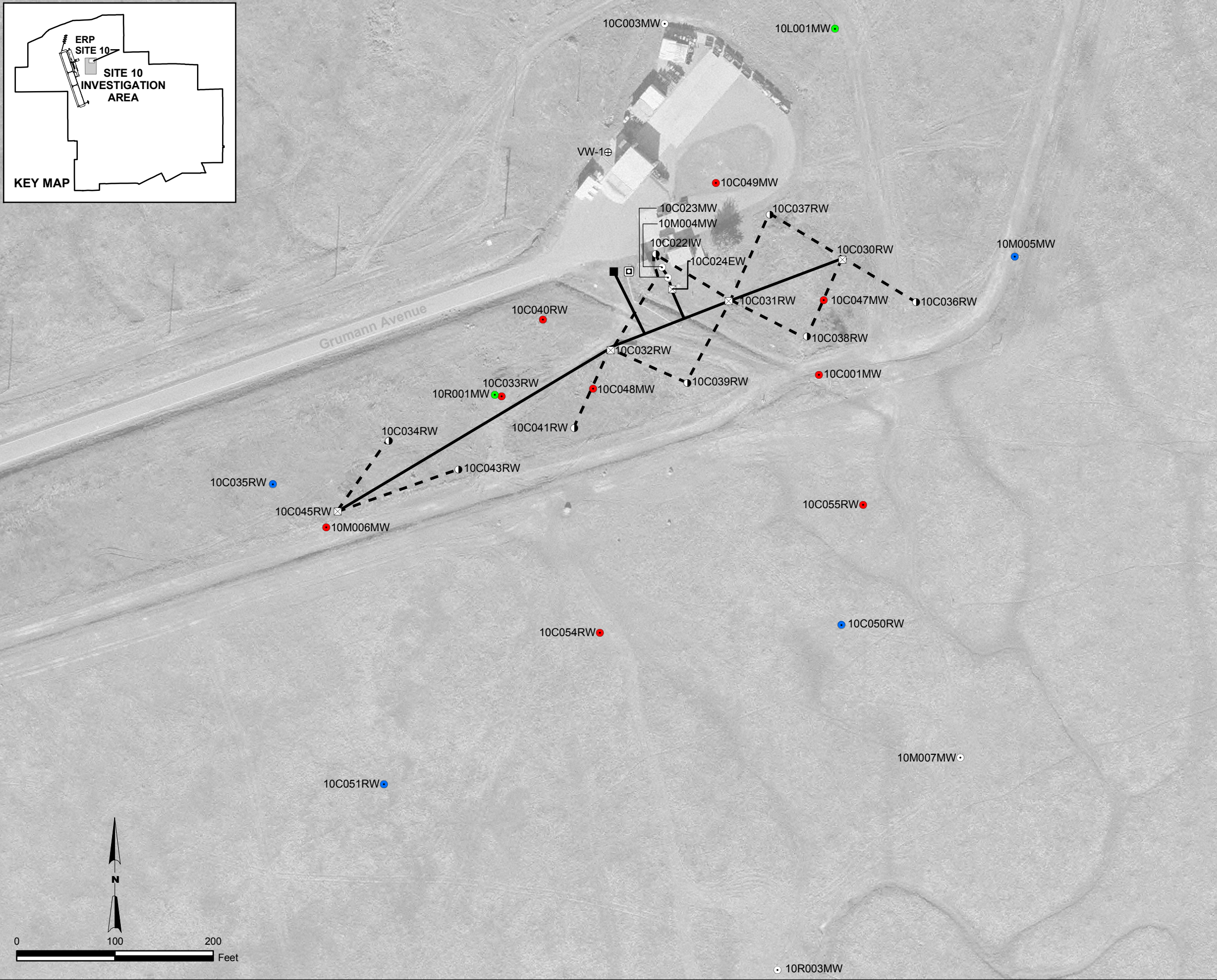
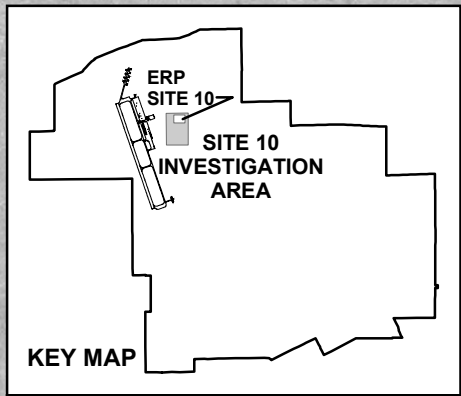
TABLE 4-8

ERP Site 10 EISB Treatment System – Optimization and Recommendations, First Quarter 2005

*LTO&M First Quarter 2005 Report, Beale Air Force Base, California*

<b>Planned RPO Actions</b>			
<b>Activity</b>	<b>Status</b>	<b>Date</b>	<b>Comment</b>
Remove air relief valves from each injection well.	Open	April 2005	These valves were included as a safety precaution. When water levels in the injection wells rise then fall, a vacuum can be created that could cause the well to collapse. The risk of this occurring in a 2-inch well is relatively remote. The risk of leaks from these valves is much greater.
Perform aquifer test and use results to update groundwater model.	Open	April through June 2005	To accurately predict the distribution of amendments in the subsurface, the groundwater model must be updated. Simulations will be run to accurately predict the distribution of amendments in the subsurface. If the distribution is inadequate with the existing set of extraction and injection wells, then the model will be used to determine locations for additional wells.
Pre-treat vessels to reduce dissolved oxygen.	Open	May 2005	A biological treatment vessel consisting of organic matter and anaerobic inoculum, and an activated carbon vessel are being considered for stripping the dissolved oxygen from the groundwater prior to reinjecting. Addition of a reducing agent such as sodium thiosulfate would be preferred, but the WDRs do not currently allow the use of such agents. If dissolved oxygen continues to be problematic, then a modification to the WDRs might be requested.
Install backpressure valves at the injection point for the sodium lactate.	Open	May 2005	The existing back-pressure valves are installed at the manifold in the control shed. This will provide more consistent control of the sodium lactate.
Install inline static mixers in the groundwater recirculation line downstream of the injection point for the sodium lactate.	Open	May 2005	The static mixers will remove mixing as a potential source of biofouling.

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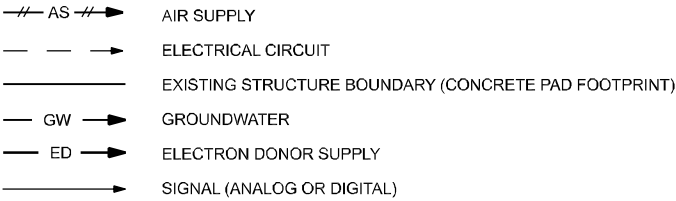
**LEGEND**

**COMPONENTS OF EISB SYSTEM (YEAR 1):**

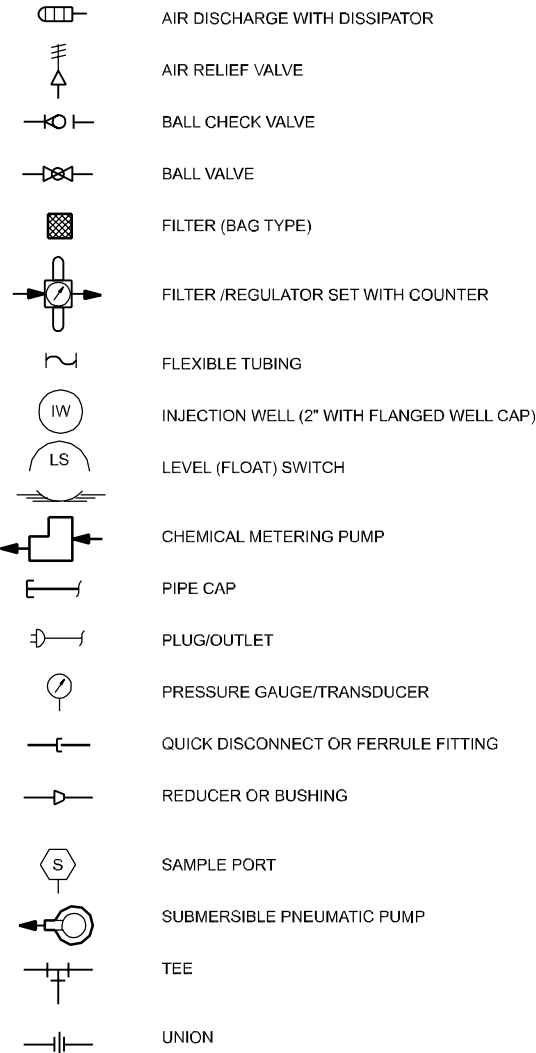
- ☒ EXTRACTION WELL
- INJECTION WELL
- PERFORMANCE MONITORING WELL
- COMPLIANCE MONITORING WELL (UPPER ZONE)
- COMPLIANCE MONITORING WELL (LOWER ZONE)
- MONITORING WELL
- ⊕ SOIL VAPOR EXTRACTION WELL
- LACTATE/AIR CONVEYANCE
- - - GROUNDWATER CONVEYANCE
- CONTROL SHED
- ☐ LACTATE STORAGE SHED

**FIGURE 4-1**  
**SITE 10 EISB TREATMENT SYSTEM**  
**LAYOUT AND SAMPLE LOCATIONS,**  
**TRANSECT 1**  
LTO&M FIRST QUARTER 2005 REPORT  
BEALE AIR FORCE BASE, CALIFORNIA

PROCESS FLOW AND LINE LEGEND



EQUIPMENT AND VALVE SYMBOLS



NOT TO SCALE

NOTES:

1. GROUNDWATER CONVEYANCE PIPING TO NORTHERN ROW OF INJECTION WELLS, PER TRANSECT, TYP.
2. GROUNDWATER CONVEYANCE PIPING TO SOUTHERN ROW OF INJECTION WELLS, PER TRANSECT, TYP.
3. 4" ABS CONDUIT TO TRANSECTS 1, 2, 3 CARRYING 1/8" ID LDPE ELECTRON DONOR LINES FOR EACH EXTRACTION WELL.
4. 2" ABS CONDUIT TO EXTRACTION WELLS, CARRYING 1/8" ID LDPE ELECTRON DONOR LINES.
5. CAP MAIN LINES TO TRANSECTS 2 AND 3. TRANSECTS 2 AND 3 TO BE ADDED IN SUBSEQUENT YEARS AS PART OF SEPARATE TASK ORDER.
6. SECURE ALL AIR SUPPLY FLEXIBLE TUBING WITH WHIP CHECKS.

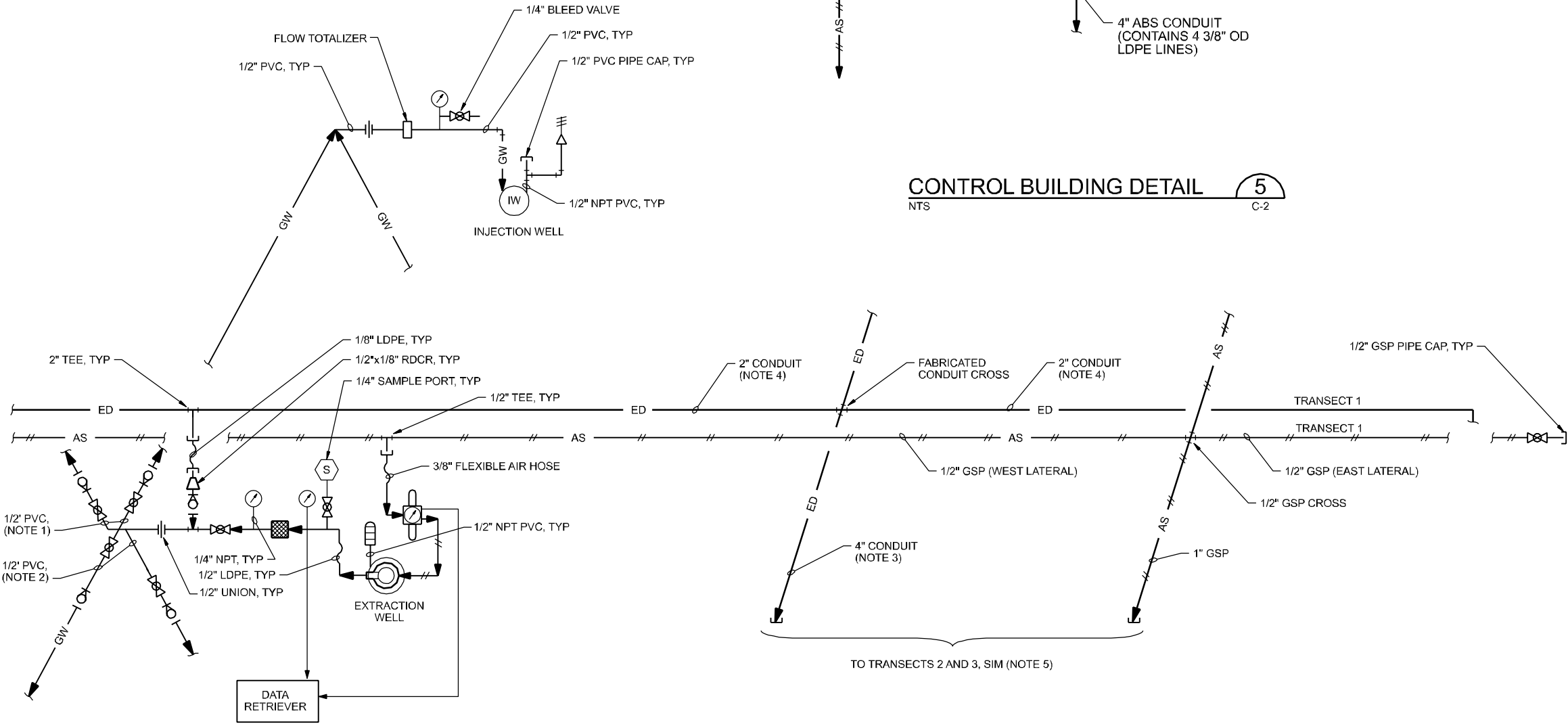


FIGURE 4-2  
SITE 10 EISB TREATMENT SYSTEM  
PROCESS FLOW DIAGRAM  
LTO&M FIRST QUARTER 2005 REPORT  
BEALE AIR FORCE BASE, CALIFORNIA  
CH2MHILL

## SECTION 5.0

# Site 13 Groundwater Treatment System

Section 5.0 provides a summary of the Site 13 GTS and includes the following information:

- System background and site description
- Summary of GTS startup
- System operation and monitoring data collected and maintenance activities conducted during first quarter 2005
- RPO actions
- Site plan presenting the GTS layout

Table 5-1 summarizes historical information and selected current operating data regarding the GTS. Laboratory analyses performed on groundwater samples are provided in Appendix A.

TABLE 5-1  
ERP Site 13 GTS System Summary  
*LTO&M First Quarter 2005 Report, Beale Air Force Base, California*

Parameter	Summary Description
System location	Southwestern portion of Beale AFB (Landfill No. 1) (see Figure 5-1).
Source of contamination	Site 13 Landfill No. 1.
Contaminants of concern	Petroleum hydrocarbons and chlorinated VOCs, primarily TCE and 1,1,2,2-TeCA.
Depth to groundwater (approximate range)	40 to 59 feet bgs.
System history	<ul style="list-style-type: none"> <li>• 1942 to 1948: Area used for disposal by U.S. Army.</li> <li>• 1948 to mid-1950s: Area now referred to as Landfill No. 1, used for disposal of clarifier skimmings by U.S. Air Force.</li> <li>• 1981: Phase I Records Search by Engineering-Science, Inc., identifying Site 13.</li> <li>• 1985 to 1987: Geophysical survey and groundwater and surface water sampling by AeroVironment.</li> <li>• 1998 to 1990: Groundwater and surface water sampling, soil borings, soil samples, aquifer test, and geophysical investigation by CH2M HILL.</li> <li>• 1991: Groundwater sampling by Engineering-Science, Inc..</li> <li>• 1992: Interviews with Beale AFB personnel. Soil and groundwater sampling by LAW.</li> <li>• 1994: HydroPunch® groundwater sampling in offbase area by Harding Lawson, identifying offbase contamination.</li> <li>• 1993 to 1995: Geophysical survey, soil vapor survey, exploratory test pits, soil boring/HydroPunch® sampling, deep stratigraphic borings, and groundwater sampling by LAW.</li> <li>• 1994: Installation of a Groundwater Treatability Test System (GTTS) by LAW.</li> <li>• 1996: Removal of 7,200 tons of soil and debris from the M-5 ointment-tube disposal cell by Laguna Construction Company/Metcalf &amp; Eddy.</li> <li>• July to August 1997: OHM Remediation Services Corporation expanded GTTS by installing four new extraction wells, and converting three monitoring wells to extraction wells.</li> </ul>

TABLE 5-1  
ERP Site 13 GTS System Summary  
*LTO&M First Quarter 2005 Report, Beale Air Force Base, California*

Parameter	Summary Description
	<ul style="list-style-type: none"> <li>December 1997: LAW expanded GTTS by converting two monitoring wells to extraction wells.</li> <li>May 1999: GTTS shut down because of pipe break at Hutchinson Creek crossing.</li> <li>September to December 1999: CH2M HILL expanded GTTS with two new extraction wells, additional air stripper, and new booster pump.</li> <li>March 2000: GTTS restarted.</li> <li>June 2000: Leak discovered at 13L027MW. Spill samples were collected, piping was repaired, and extraction well restarted.</li> <li>Fall 2000: Six monitoring wells and two piezometers were installed at Site 13.</li> <li>Summer 2001: One monitoring well and one piezometer were installed at Site 13.</li> <li>December 2003: The GTTS discharge line was modified (valved tee) to allow discharge to a drainage swale that leads either directly to Hutchinson Creek or the aeration pond.</li> <li>August 2004: Work began on construction project to place a soil cover on the former landfill (Landfill No. 1) and upgrade the GTTS controls. GTTS renamed to groundwater treatment system (GTS).</li> <li>January 2004: Controls upgrades on the GTS were completed and the system resumed operations.</li> </ul>
System components	Eighty-eight wells, 12 of which are currently being used as extraction wells, piping, pumps, control panel, control house, and two air strippers.
Depth of well screen intervals (range)	67 to 265 feet bgs.
Mass removal	Total from startup: 503 pounds TCE. Total for 2005: 10 pounds TCE.

## 5.1 Site 13 GTS Background and Description

ERP Site 13 Landfill No. 1 is an inactive landfill, located in the southwestern portion of Beale AFB. The landfill area encompasses approximately 7 acres bounded by open fields and grazing land to the north, south, and west, and sludge drying beds adjacent to the wastewater treatment plant to the east (see Figure 5-1). A complete summary of the history and investigation of Site 13 was presented in the *Site 13 Remedial Investigation* (CH2M HILL, 2001e).

The objective of the GTS is to contain TCE-contaminated groundwater beneath Site 13 and property adjacent to Beale AFB. Twelve groundwater extraction wells and a treatment system are operating at Site 13 (see Figure 5-1).

## 5.2 GTS Optimization

Eight groundwater monitoring wells, and two groundwater extraction wells were installed to optimize the GTS groundwater plume monitoring, plume containment, and contaminant mass extraction during fourth quarter 2004. Additionally, during first quarter 2005 the GTS electrical system and controls were upgraded to improve reliability and uptime. Figure 5-2 presents a process flow diagram for the Site 13 GTS system.

## 5.3 Summary of System Operation and Monitoring Activities

### 5.3.1 System Operation Data

Table 5-2 presents extraction well flow rates, system flow rates, and uptime. Table 5-3 presents weekly operating data. Table 5-4 presents the routine and nonroutine operation, monitoring, and maintenance activities conducted during first quarter 2005, and the activities planned as part of ongoing operation and monitoring of the Site 13 GTS.

The GTS began operation on January 14, 2005, after being down for system upgrades and construction of a soil cover on the former landfill. The system operated until February 23, when it was shut down to perform annual maintenance and to limit the flow to Pond 4. The system was restarted on March 2, at one-third capacity to keep the flow to Pond 4 near 100 gpm. The first quarter 2005 system uptime was 75 percent, as calculated from system logs, because of an error in the logging software. Future quarterly uptimes will be calculated from the air stripper hour meter, and system logs will undergo routine backups.

### 5.3.2 System Monitoring Data

Groundwater samples were collected from 11 extraction wells on January 21, 2005. Well 13C001MW was offline during the sampling event. All samples were analyzed for VOCs using EPA Method SW8260B. Table 5-5 presents a summary of detected results. Complete validated data are provided in Appendix A. Figure 5-3 shows the TCE concentrations as they have varied since 1993.

The monthly samples of the treatment system influent and effluent were collected in January, February, and March 2005. Table 5-6 presents a summary of detected results. During first quarter 2005, no compounds were detected above the detection limits in the effluent samples. Complete validated data are provided in Appendix A.

Table 5-7 summarizes contaminant mass removal for first quarter 2005. Approximately 9.8 pounds of TCE and 11.6 pounds of total VOCs were removed by the GTS during first quarter 2004. Since system startup in November 1994, approximately 503 pounds of TCE have been removed from groundwater by the GTS. Samples of the treatment system influent and effluent will continue to be collected monthly to monitor performance of the GTS. Figure 5-4 presents the cumulative mass of TCE removed over the life of the project.

## 5.4 Remedial Process Optimization Actions for Site 13 GTS

Table 5-8 presents a summary of previously planned RPO actions and actions planned for completion in second quarter 2005 for the Site 13 GTS.

TABLE 5-2  
ERP Site 13 GTS, Extraction Well Flow Rates, First Quarter 2005  
*LTO&M First Quarter 2005 Report, Beale Air Force Base, California*

Well	Flow at Beginning of Quarter <sup>a</sup> (gpm)	Flow at End of Quarter <sup>b</sup> (gpm)	Target Flow Rate (gpm)	First Quarter Uptime (%)	Comments
13C001MW	20	20	20	-- <sup>c</sup>	Pump motor failed, well was nonoperational until February 1, 2005.
13C006MW	20	-- <sup>d</sup>	20	-- <sup>c</sup>	
13C011EW	50	-- <sup>d</sup>	50	-- <sup>c</sup>	
13L001EW	15	15	15	-- <sup>c</sup>	
13L004EW	5	-- <sup>d</sup>	10	-- <sup>c</sup>	
13L004MW	20	20	20	-- <sup>c</sup>	
13L005MW	20	20	20	-- <sup>c</sup>	
13L011MW	20	20	20	-- <sup>c</sup>	
13L027MW	20	-- <sup>d</sup>	20	-- <sup>c</sup>	
13O005EW	80	-- <sup>d</sup>	80	-- <sup>c</sup>	
13C050EW	0	-- <sup>d</sup>	25	-- <sup>c</sup>	New extraction well. Totalizer failed; well was operating at approximately 20 gpm. New extraction well.
13C051EW	20	-- <sup>d</sup> <sup>b</sup>	25	-- <sup>c</sup>	
<b>Total</b>	<b>290</b>	<b>95</b>	<b>325</b>	-- <sup>c</sup>	
<b>GTS<sup>e</sup></b>	<b>320</b>	<b>100</b>	<b>325</b>	<b>75</b>	

<sup>a</sup>Measured on February 2, 2005.

<sup>b</sup>Measured on March 25, 2005.

<sup>c</sup>Well uptimes not recorded because of programming error in supervisory control and data acquisition (SCADA).

<sup>d</sup>Wells shut down to limit GTS output (see Table 5-4).

<sup>e</sup>Total from magnetic flowmeter.

Note:

-- = no data collected; well nonoperational

TABLE 5-3

ERP Site 13 GTS, Summary of Weekly Operating Data, First Quarter 2005

*LTO&M First Quarter 2005 Report, Beale Air Force Base, California*

Date	Time	System Status	System Hours <sup>a</sup>	Total Influent (gallons)	Comments
01/14/05	--	On	--	--	GTS startup following system upgrades and 5 months offline.
02/02/05	2:30 PM	On	--	8,215,995	
02/16/05	2:20 PM	On	--	14,392,059	
02/25/05	8:10 AM	Off	--	17,511,414	System taken offline for annual maintenance period, and to limit flow to Pond 4.
03/02/05	11:10 AM	On	--	18,516,495	System operating five extraction wells to limit flow to Pond 4.
03/11/05	14:49 AM	On	--	19,692,899	System operating five extraction wells to limit flow to Pond 4.
03/18/05	10:06 AM	On	--	20,409,317	System operating five extraction wells to limit flow to Pond 4.
03/25/05	9:10 AM	On	--	21,355,588	System operating five extraction wells to limit flow to Pond 4.

<sup>a</sup>Uptime not recorded because of programming error in SCADA.

Note:

-- = no data collected

TABLE 5-4

ERP Site 13 GTS – Operation, Monitoring, and Maintenance Activities, First Quarter 2005

*LTO&M First Quarter 2005 Report, Beale Air Force Base, California*

Description	Date	Planned Activity for Next Period	Comment
<b>Routine Activity</b>			
Conducted monthly monitoring of the GTS influent and effluent when the system was operating. Analyze all groundwater samples for VOCs using EPA Method SW8260B.	January 21, 2005 February 8, 2005 March 9, 2005	Conduct monthly monitoring of the GTS influent and effluent when the system is operating. Analyze all groundwater samples for VOCs using EPA Method SW8260B.	
Conducted semiannual monitoring of the GTS active extraction wells. Analyzed all groundwater samples for VOCs using EPA Method SW8260B.	January 21, 2005	Conduct semiannual monitoring of the GTS active extraction wells late in second quarter.	December 2004 sampling was rescheduled for January 2005 because the system was not operational in December.
Collected weekly operating data at the GTS.	Weekly data was collected seven times during first quarter 2005.	Collect weekly operating data at the GTS.	

TABLE 5-4  
ERP Site 13 GTS – Operation, Monitoring, and Maintenance Activities, First Quarter 2005  
*LTO&M First Quarter 2005 Report, Beale Air Force Base, California*

Description	Date	Planned Activity for Next Period	Comment
Performed hydrostatic testing of Hutchinson Creek crossing.		Planned for second quarter 2005.	Biennial activity.
<b>Nonroutine Activity</b>			
Tested operation of the magnetic flowmeter on GTS influent.	January 2005	None.	Meter is functioning accurately following factory recalibration.
Tested pump and motor operations of 13L005MW on system startup. (Pump was replaced in December 2004.)	January 2005	None.	Recommended in LTO&M Second Quarter 2004 Report (CH2M HILL, 2004a).
Replaced pump and motor in 13C001MW. Pressure tested wellhead 13C001MW.	January 2005	None.	Pump and motor were determined faulty during startup testing. Wellheads were rebuilt as part of soil cover construction. Tested wellhead passed.
Operated GTS at one-third capacity.	February 23 to March 2 the system was operated one-third of operating hours. March 2, 2005 through end of quarter one-third of extraction wells were operated.	Operate all GTS wells after water levels in Pond 4 subside.	GTS discharge was reduced to 100 gpm by operating the five highest concentration extraction wells (13L004MW, 13L001EW, 13C001MW 13L005MW, and 13L011MW).
Performed troubleshoot of totalizers on 13C050EW and 13O005EW.		Replace totalizers second quarter 2005.	13C050EW totalizer internals were destroyed by particulates in extracted water. 13O005EW meter is not recording flow accurately.
Add programming to GTS human-machine interface (HMI) to log daily the system flow rates and runtime hours for wells and major process equipment.	March 23, 2005 (flow totals), runtime hours pending.	Runtime hour logging will be accomplished in second quarter 2005.	

TABLE 5-5

Summary of Detected Compounds in Extraction Well Samples, First Quarter 2005

*LTO&M First Quarter 2005 Report, Beale Air Force Base, California*

Date	Screen Interval (feet bgs)	Sample Location	Analyte	Result (µg/L)
01/21/2005	83 to 110	13C006MW	1,1,2-TCA	0.17 F
			cis-1,2-DCE	0.74 F
			MEK (2-Butanone)	10.1
			PCE	0.25 F
			TCE	18.8
			trans-1,2-DCE	0.28 F
01/21/2005	120 to 150	13C011EW	cis-1,2-DCE	0.17 F
			TCE	5.87
			trans-1,2-DCE	0.14 F
01/21/2005	155 to 195	13C050EW	Bromoform	0.74 F
			Dibromochloromethane	0.47 F
			MEK (2-Butanone)	6.9 F
			TCE	2.28
01/21/2005	65 to 105	13C051EW	1,1,2-TCA	0.47 F
			cis-1,2-DCE	2.83
			PCE	0.72 F
			TCE	43.5
			trans-1,2-DCE	0.93 F
01/21/2005	87 to 137	13L001EW	1,1,2-TCA	1.7
			Acetone	1.4 F
			Chloroform	0.36
			cis-1,2-DCE	7.8
			PCE	2.31
			TCE	164
			trans-1,2-DCE	2.88
01/21/2005	84.5 to 134	13L004EW	1,1,2-TCA	0.16 F
			Chloroform	0.19 F
			cis-1,2-DCE	1.48
			PCE	0.55 F
			TCE	29.4
			trans-1,2-DCE	1.01
01/21/2005	78.5 to 98	13L004MW	1,1,2-TCA	2.4
			Acetone	1.4 F
			Chloroform	0.42
			cis-1,2-DCE	8.79
			PCE	3.15
			TCE	200
			trans-1,2-DCE	3.36
01/21/2005	118 to 138	13L005MW	1,1,2-TCA	0.87 F
			Chloroform	0.38
			cis-1,2-DCE	4.62

TABLE 5-5

Summary of Detected Compounds in Extraction Well Samples, First Quarter 2005

*LTO&M First Quarter 2005 Report, Beale Air Force Base, California*

Date	Screen Interval (feet bgs)	Sample Location	Analyte	Result (µg/L)
01/21/2005	70 to 80	13L011MW	PCE	1.31
			TCE	89.1
			trans-1,2-DCE	2.11
			1,1,1,2- TeCA	0.1 F
			1,1,2-TCA	5.28
			Chloroform	2.21
			cis-1,2-DCE	70.7
			PCE	2.11
			TCE	190
01/21/2005	123 to 136	13L027MW	trans-1,2-DCE	14.3
			cis-1,2-DCE	0.2 F
			PCE	0.09 F
			TCE	6.58
01/21/2005	80 to 145	13O005EW	cis-1,2-DCE	0.36 F
			PCE	0.1 F
			TCE	7.13
			trans-1,2-DCE	0.15 F

Note:

F = The analyte was positively identified, but the associated numerical value is at or below the reporting limit.

TABLE 5-6

ERP Site 13 GTS, Summary of Detected Compounds at the Treatment System, First Quarter 2005

*LTO&M First Quarter 2005 Report, Beale Air Force Base, California*

Date	Sample Location	Analyte	Result (µg/L)
01/21/2005	Combined Influent	1,1,2-TCA	0.74 F
		Chloroform	0.32
		cis-1,2-DCE	7.06
		PCE	0.81 F
		TCE	60
		trans-1,2-DCE	1.96
02/08/2005	Combined Effluent	No analytes detected	
	Combined Influent	1,1,2-TCA	0.8 F
		Chloroform	0.29 F
		cis-1,2-DCE	5.83
		PCE	0.68 F
		TCE	53.5
		trans-1,2-DCE	1.65
03/09/2005	Combined Effluent	No analytes detected	
	Combined Influent	1,1,2-TCA	0.72 F
		Chloroform	0.21 F

TABLE 5-6

ERP Site 13 GTS, Summary of Detected Compounds at the Treatment System, First Quarter 2005

*LTO&M First Quarter 2005 Report, Beale Air Force Base, California*

Date	Sample Location	Analyte	Result (µg/L)
		cis-1,2-DCE	4.65
		PCE	0.64 F
		TCE	45
		trans-1,2-DCE	1.29
	Combined Effluent	No analytes detected	

Note:

F = The analyte was positively identified, but the associated numerical value is at or below the reporting limit.

TABLE 5-7

ERP Site 13 GTS – Summary of 2005 Monitoring Data, First Quarter 2005

*LTO&M First Quarter 2005 Report, Beale Air Force Base, California*

Parameter	First Quarter 2005
Total flow rate (range in gpm)	100 to 320
Total VOC concentration in extracted groundwater (µg/L)	53 to 71
Hours operated	1609
Percent uptime	75
Estimated VOC mass extracted (pounds)	9.8
Estimated TCE mass extracted (pounds)	11.6

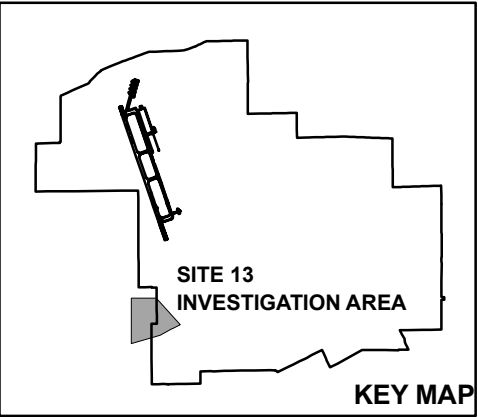
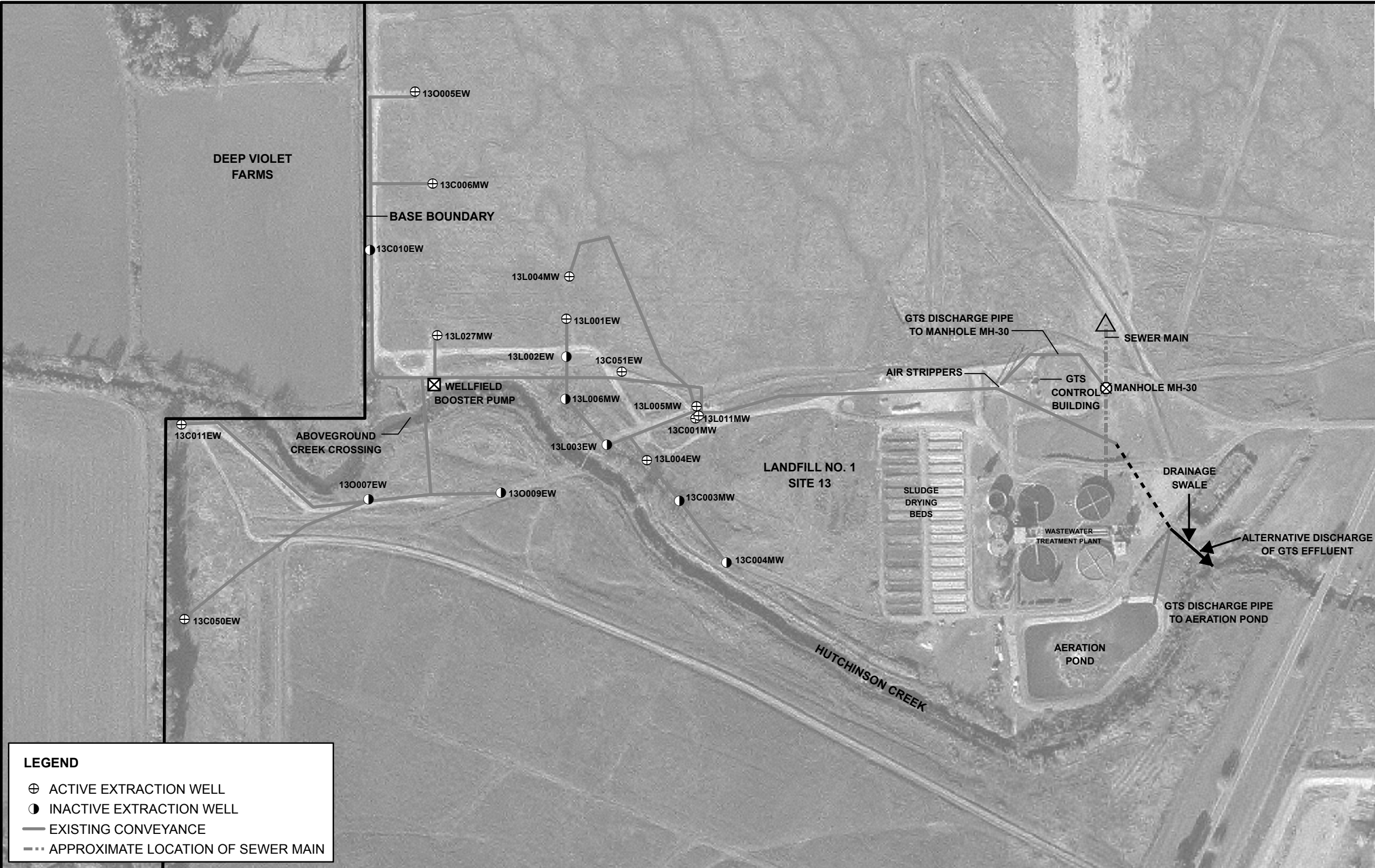
TABLE 5-8

ERP Site 13 GTS – Optimization and Recommendations, First Quarter 2005

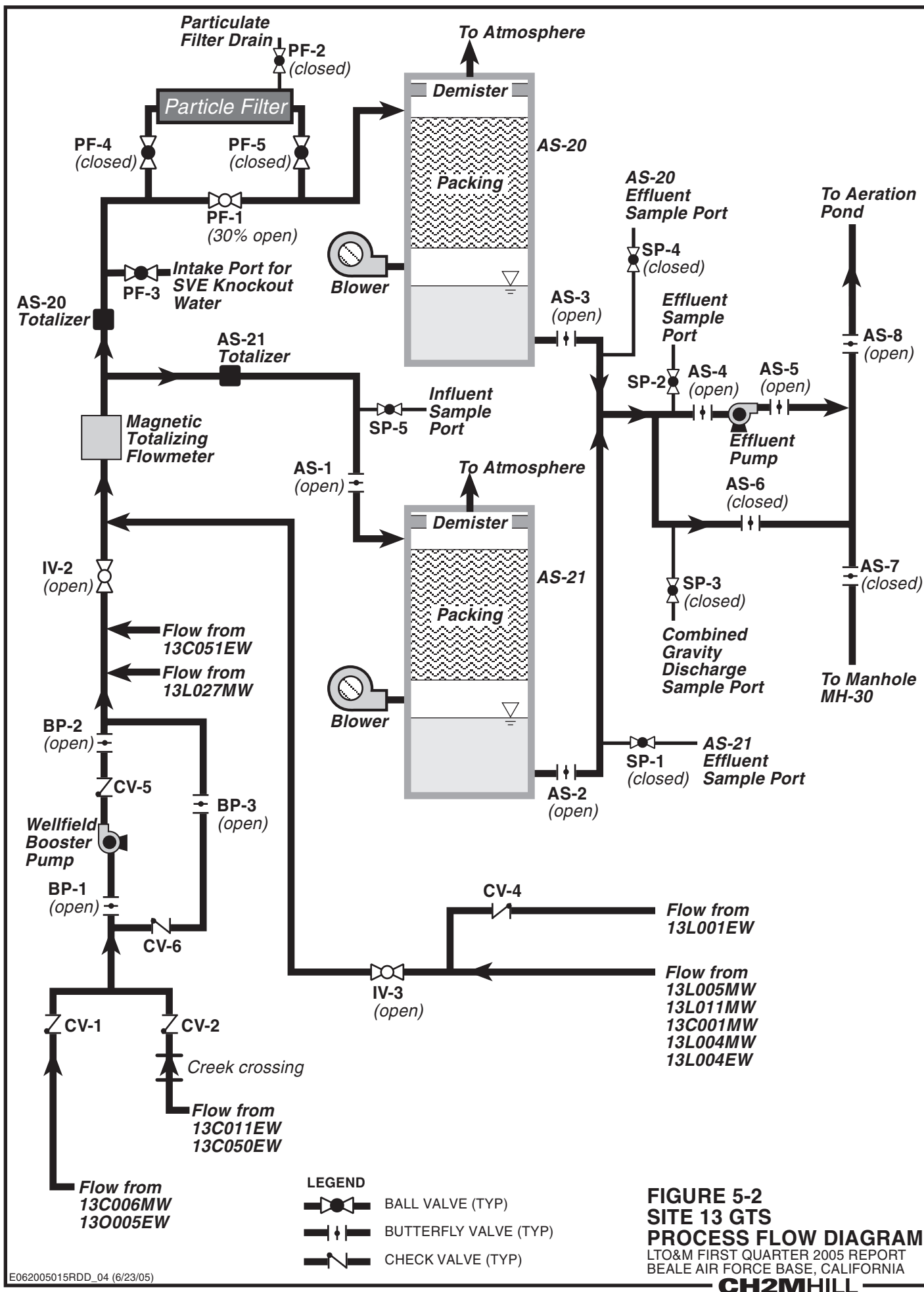
*LTO&M First Quarter 2005 Report, Beale Air Force Base, California*

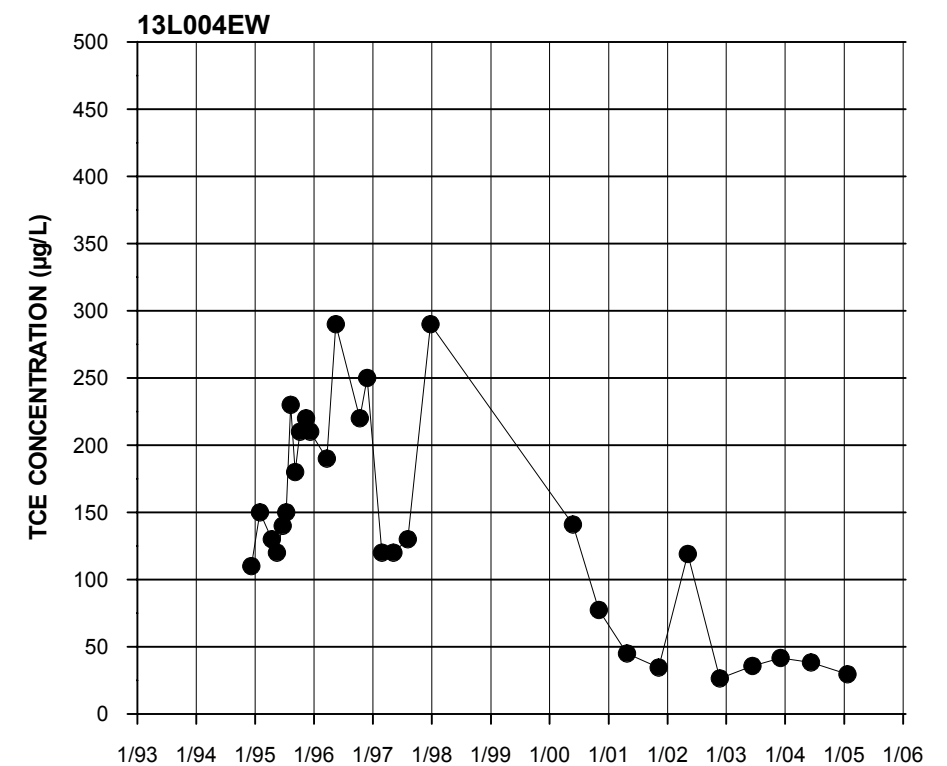
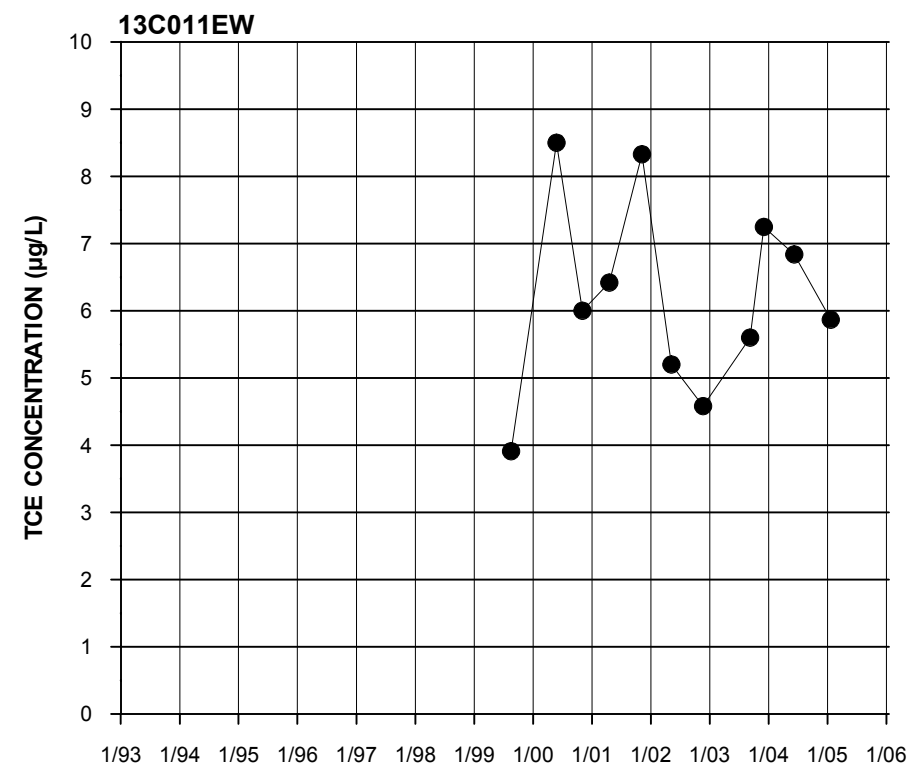
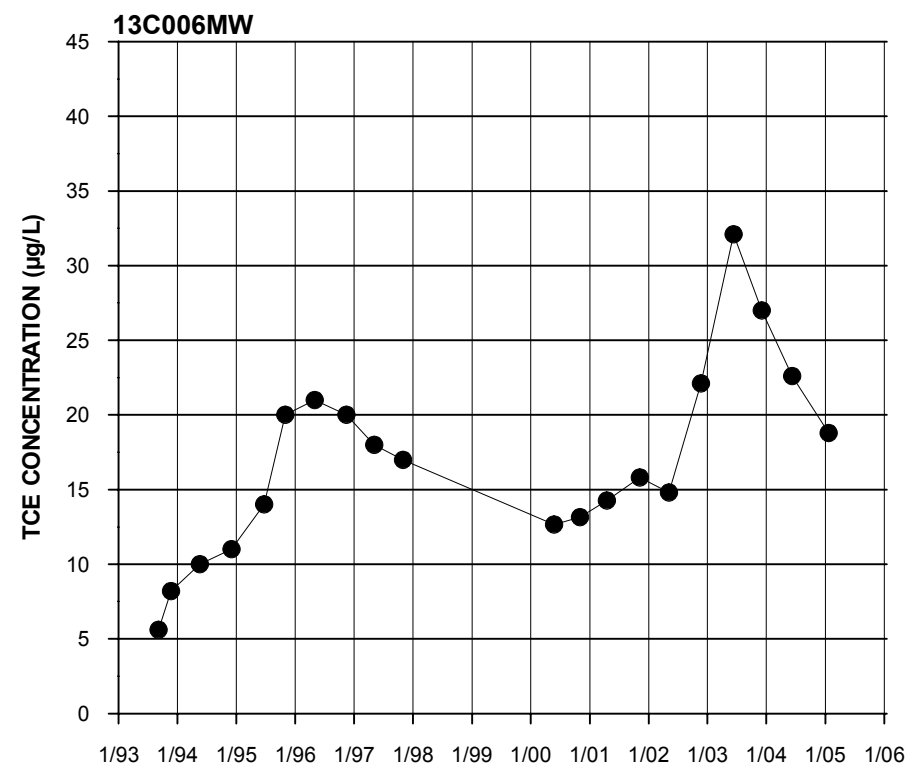
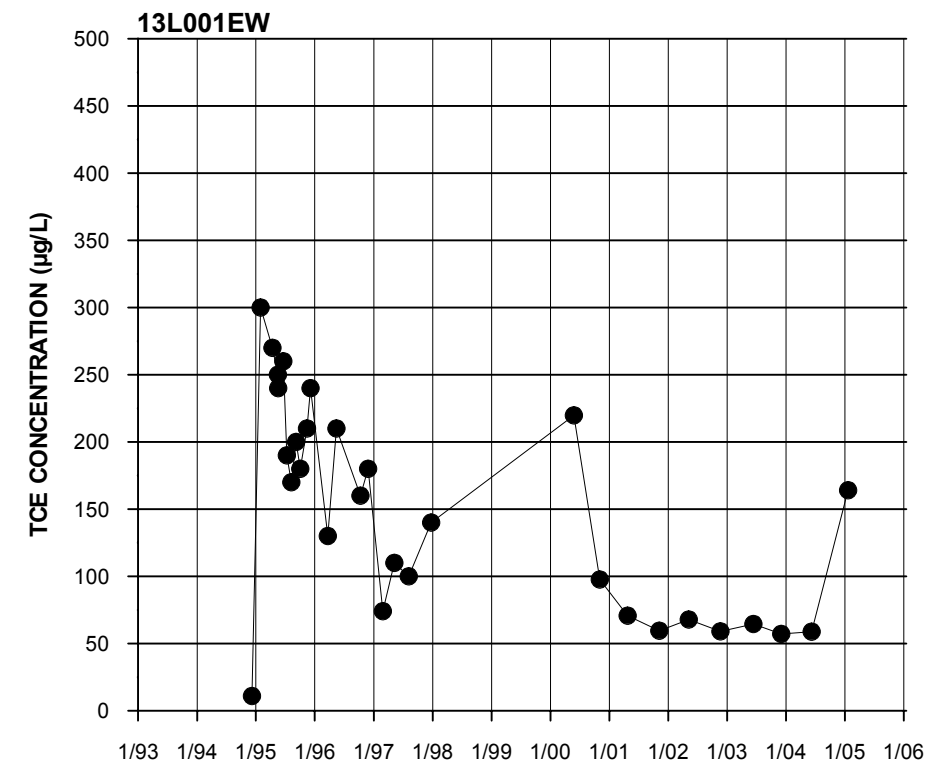
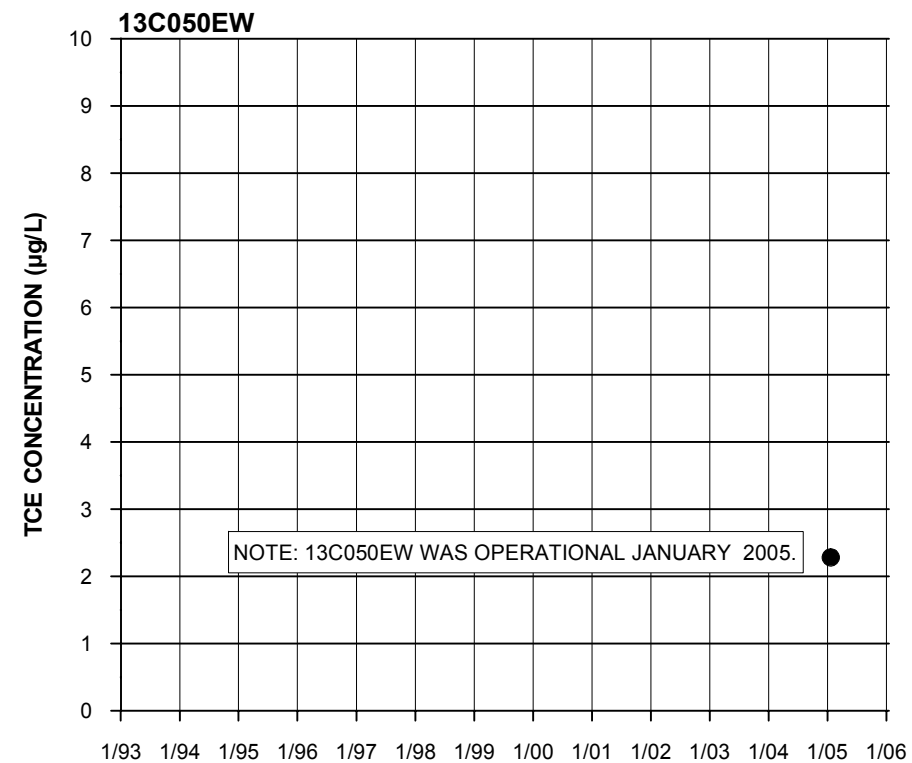
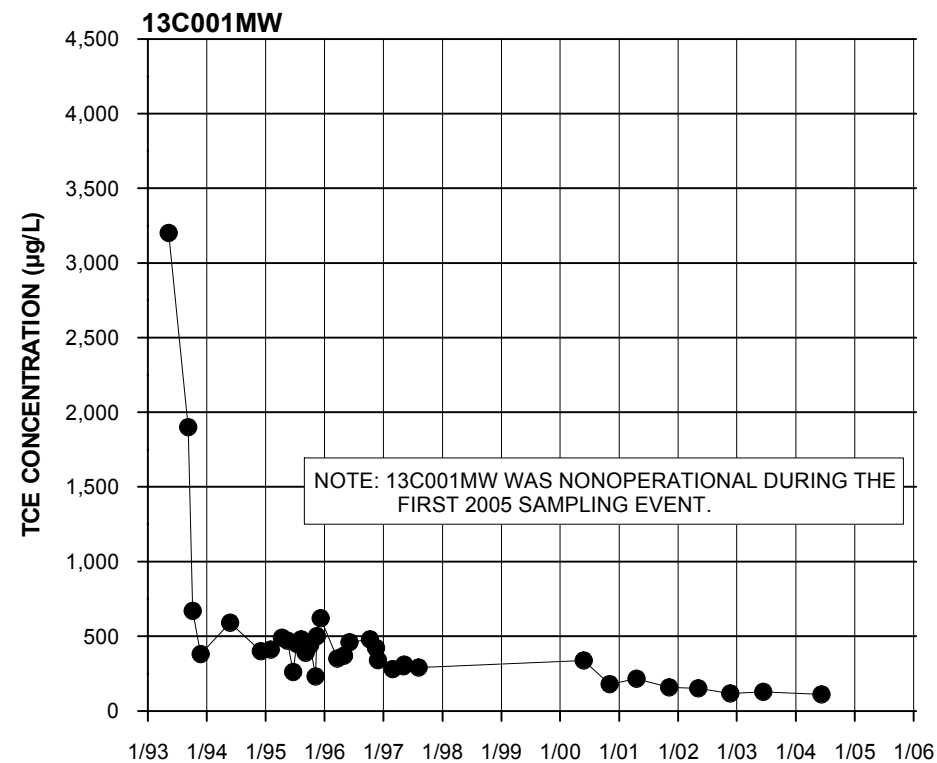
Previously Planned RPO Actions			
Activity	Status	Date	Comment
Testing and startup of upgraded GTS electrical and control systems and two new extraction wells.	Testing of system components and safety interlocks complete.	January 14, 2005.	All tested components either passed or were repaired and retested until passed.
Testing accuracy of the totalizers on Air Strippers 20 and 21, if the system is started up during fourth quarter 2004.	AS-21 totalizer is geared incorrectly. Flow totalizes at half the actual rate (i.e., 100 gpm on AS-21 for 1 minute will increase totalizer by 200 gallons). The multiplier on the totalizer faceplate had been modified from x100 to x50 gallons.	January 2005	
Planned RPO Actions			
Review programmable logic controller (PLC) and HMI data logging capabilities (flow totals and runtime hours) to reduce operator required labor during weekly inspections.		Data logging will be implemented at the GTS during second quarter 2005.	

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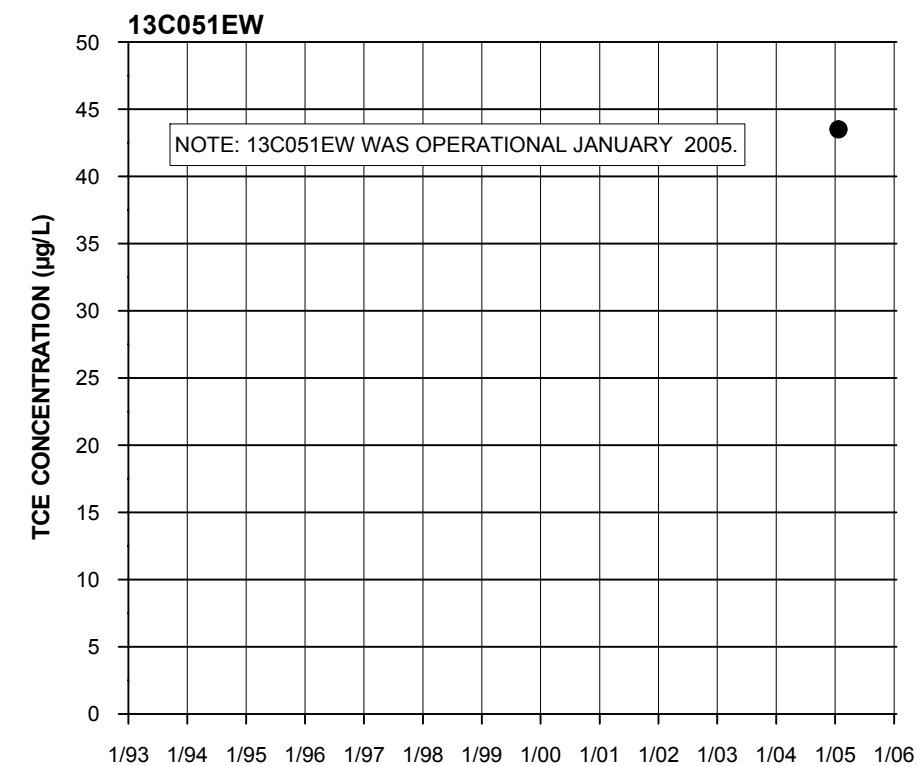
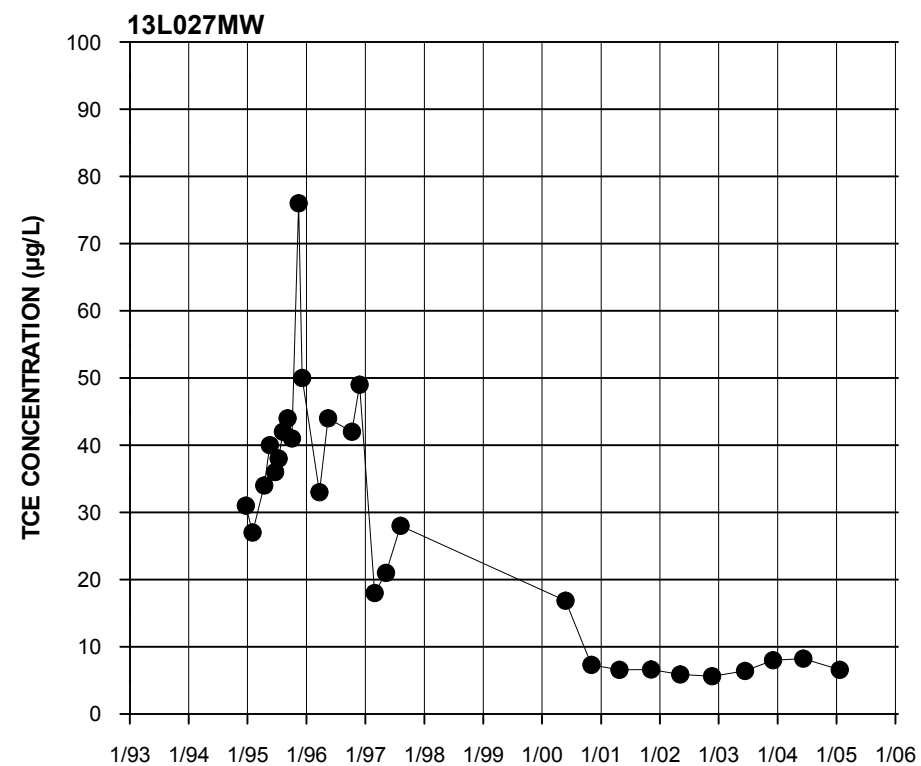
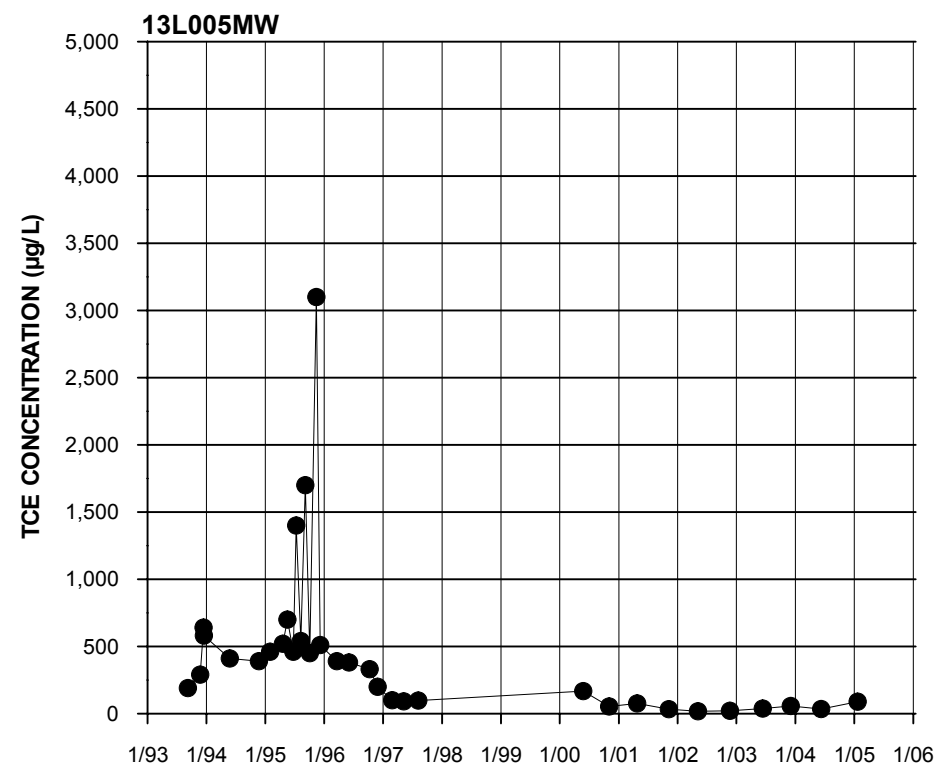
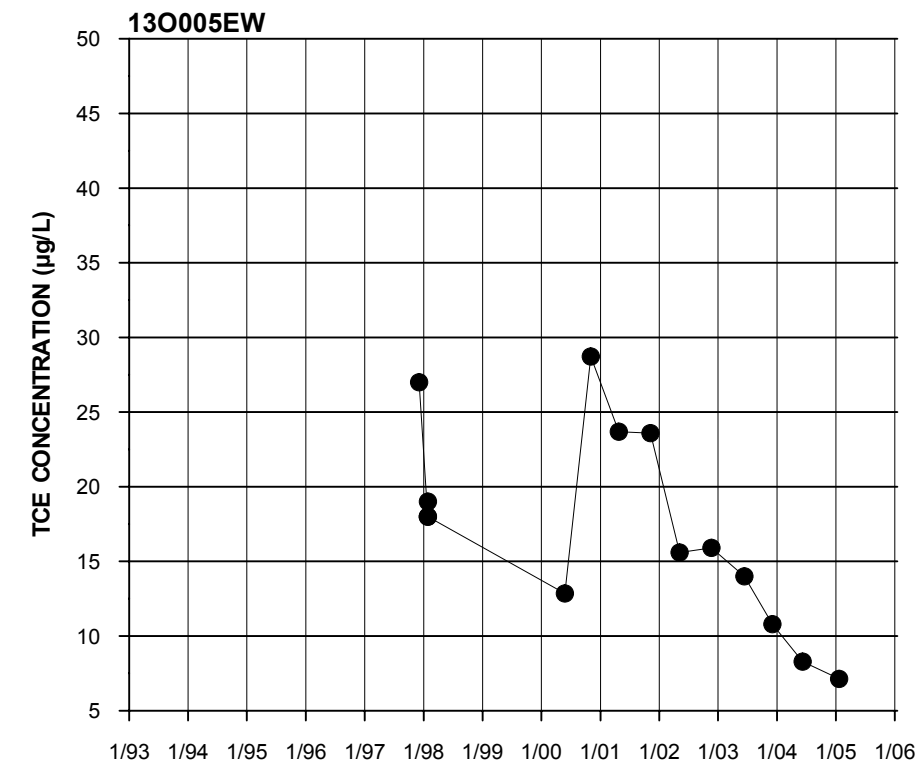
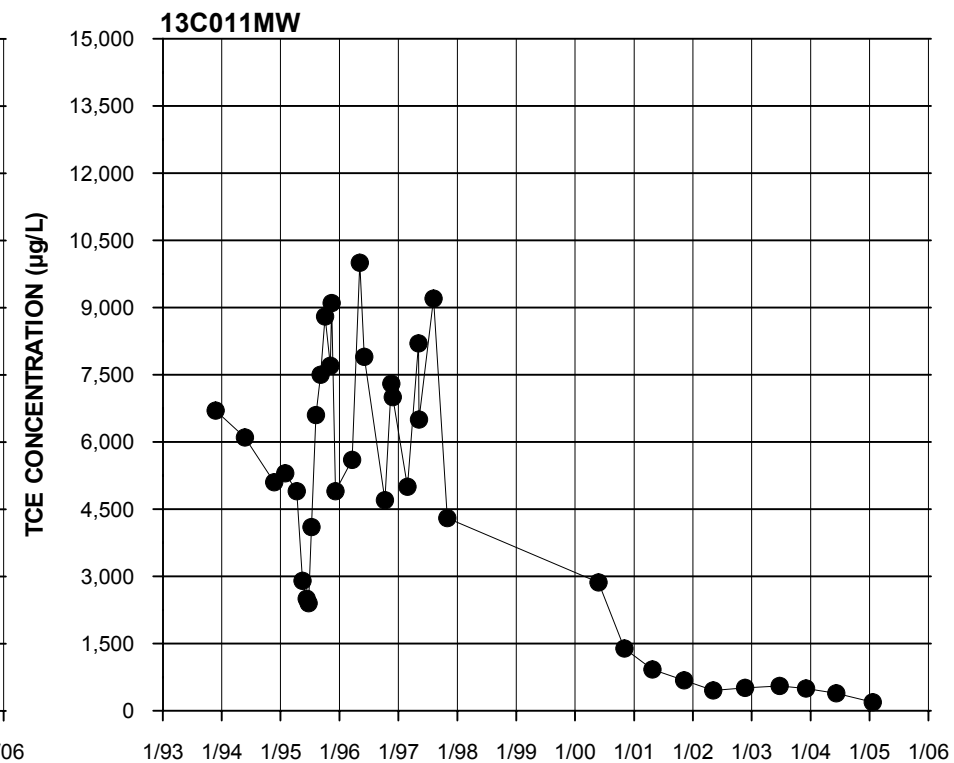
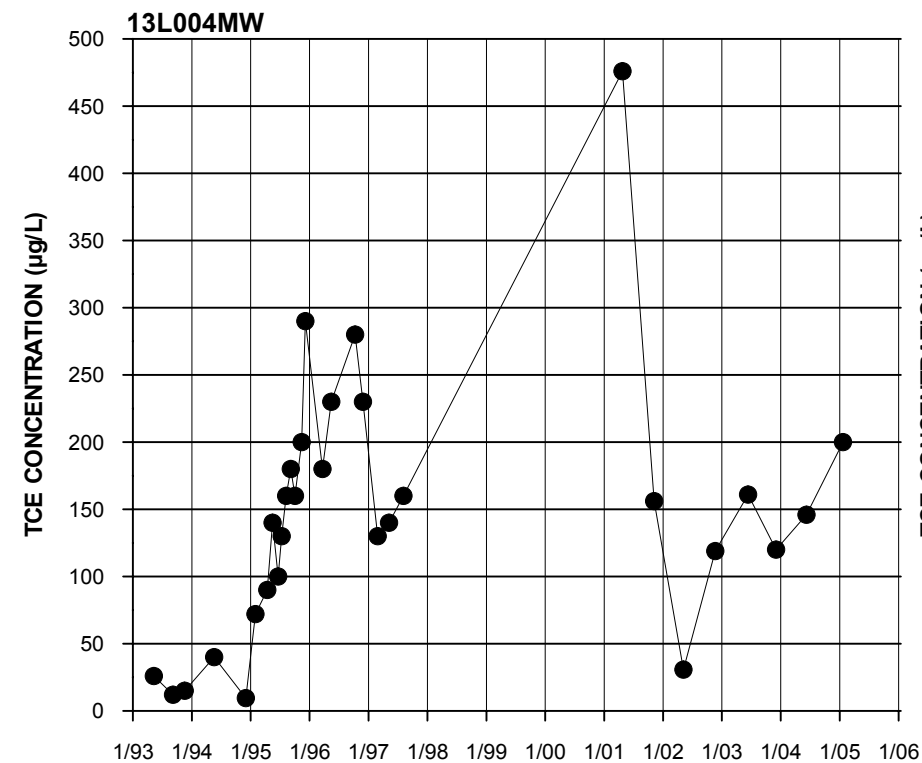
**FIGURE 5-1**  
**SITE 13 GTS LAYOUT**  
LTO&M FIRST QUARTER 2005 REPORT  
BEALE AIR FORCE BASE, CALIFORNIA





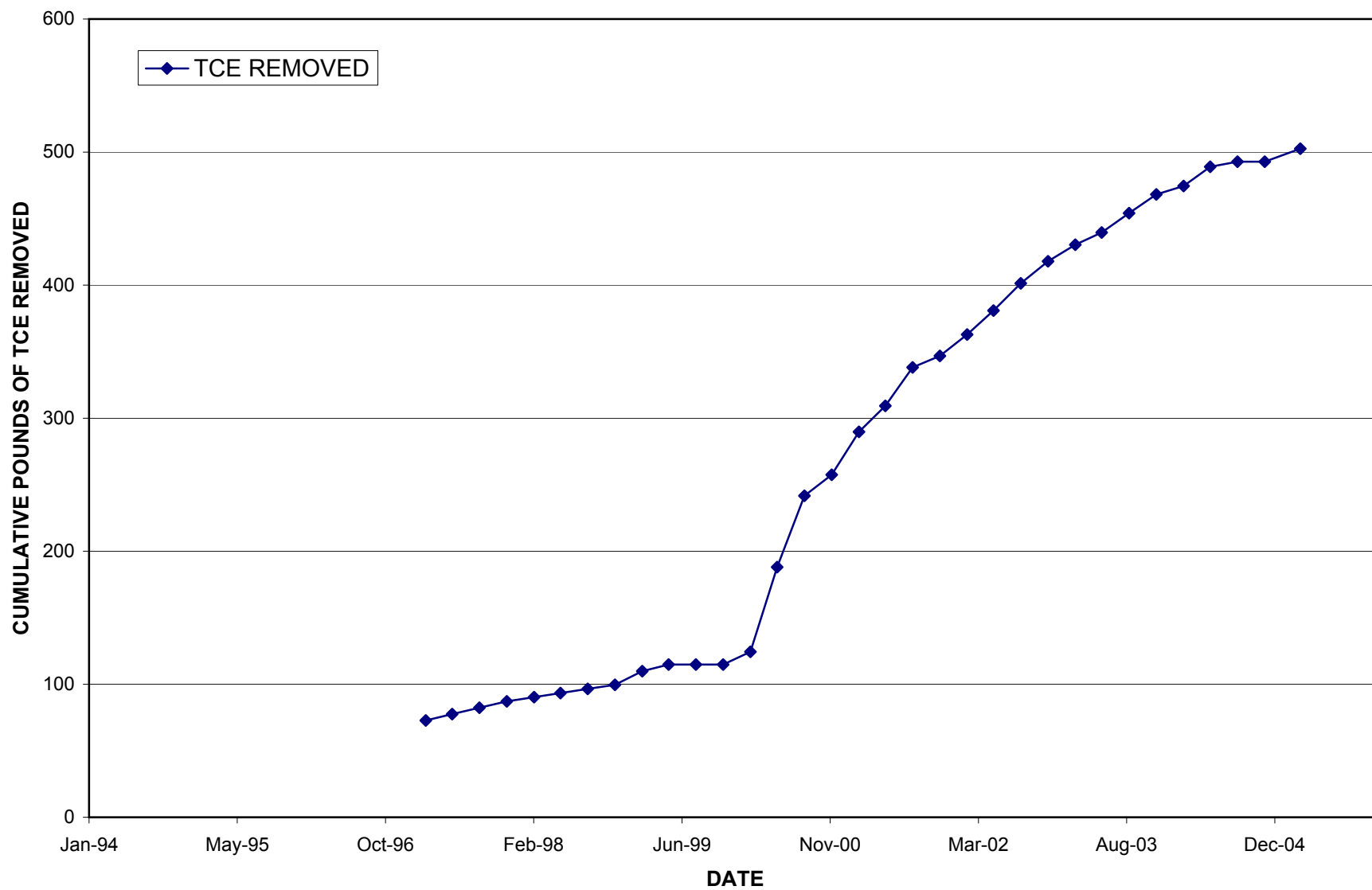
NOTE: LOCATION OF EXTRACTION WELLS SHOWN ON FIGURE 5-1.

**FIGURE 5-3 (PAGE 1 OF 2)**  
**TCE CONCENTRATION VERSUS TIME AT**  
**SITE 13 EXTRACTION WELLS**  
 LTO&M FIRST QUARTER 2005 REPORT  
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NOTE: LOCATION OF EXTRACTION WELLS SHOWN ON FIGURE 5-1.

**FIGURE 5-3 (PAGE 2 OF 2)**  
**TCE CONCENTRATION VERSUS TIME AT**  
**SITE 13 EXTRACTION WELLS**  
 LTO&M FIRST QUARTER 2005 REPORT  
 BEALE AIR FORCE BASE, CALIFORNIA



**FIGURE 5-4**  
**CUMULATIVE TCE MASS REMOVED**  
**SITE 13 GTS**

LTO&M FIRST QUARTER 2005 REPORT  
BEALE AIR FORCE BASE, CALIFORNIA

**CH2MHILL**

## SECTION 6.0

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## **Appendix A**

### **Validated Analytical Data**

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**Site 8 Soil Vapor Extraction System, Validated  
Analytical Data, First Quarter 2005**

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# APPENDIX A

## Summary of Analytical Data, First Quarter 2005

LTO&M First Quarter 2005 Report, Beale Air Force Base, California

Site	Sample Location	Sample Date	Method	Analyte	CAS No.	QA/QC Type	Result	Flag	Units	Reporting Limit	Method Detection Limit
<b>Soil Vapor Extraction Systems</b>											
Site 8	Pre-carbon	1/24/2005	SW8015-P	TPH-Gasoline	TPH-Gasoline	N	14.3	U	µg/L	637	14.3
			TO-14	1,1,1-TCA	71-55-6	N	3.19	U	PPBV	53.3	3.19
			TO-14	1,1,2,2-Tetrachloroethane	79-34-5	N	34.6	J	PPBV	53.3	5.94
			TO-14	1,1,2-TCA	79-00-5	N	4.5	U	PPBV	53.3	4.5
			TO-14	1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	N	446	J	PPBV	53.3	3.39
			TO-14	1,1-DCA	75-34-3	N	3.16	U	PPBV	53.3	3.16
			TO-14	1,1-DCE	75-35-4	N	3.79	U	PPBV	53.3	3.79
			TO-14	1,2,4-Trichlorobenzene	120-82-1	N	22.9	J	PPBV	53.3	6.06
			TO-14	1,2,4-Trimethylbenzene	95-63-6	N	8.52	J	PPBV	53.3	5.89
			TO-14	1,2-DCA	107-06-2	N	4.04	U	PPBV	53.3	4.04
			TO-14	1,2-DCB	95-50-1	N	16.5	J	PPBV	53.3	6.82
			TO-14	1,2-Dichloropropane	78-87-5	N	4.04	U	PPBV	53.3	4.04
			TO-14	1,2-Dichlorotetrafluoroethane	76-14-2	N	3.08	U	PPBV	53.3	3.08
			TO-14	1,2-EDB	106-93-4	N	3.56	U	PPBV	53.3	3.56
			TO-14	1,3,5-Trimethylbenzene	108-67-8	N	6.92	J	PPBV	53.3	5.59
			TO-14	1,3-DCB	541-73-1	N	11.7	J	PPBV	53.3	6.52
			TO-14	1,4-DCB	106-46-7	N	12.8	J	PPBV	53.3	5.69
			TO-14	Benzene	71-43-2	N	3.2	J	PPBV	53.3	3.13
			TO-14	Bromomethane	74-83-9	N	8.95	U	PPBV	53.3	8.95
			TO-14	Carbon Tetrachloride	56-23-5	N	3.49	U	PPBV	53.3	3.49
			TO-14	Chlorobenzene	108-90-7	N	4.51	U	PPBV	53.3	4.51
			TO-14	Chloroethane	75-00-3	N	7.6	U	PPBV	53.3	7.6
			TO-14	Chloroform	67-66-3	N	5.33	J	PPBV	53.3	3.19
			TO-14	Chloromethane	74-87-3	N	6.39	J	PPBV	53.3	4.51
			TO-14	cis-1,2-DCE	156-59-2	N	2.92	U	PPBV	53.3	2.92
			TO-14	cis-1,3-Dichloropropene	10061-01-5	N	4.82	U	PPBV	53.3	4.82
			TO-14	Dichlorodifluoromethane	75-71-8	N	3.76	U	PPBV	53.3	3.76
			TO-14	Ethylbenzene	100-41-4	N	5.62	U	PPBV	53.3	5.62
			TO-14	Hexachlorobutadiene	87-68-3	N	26.1	J	PPBV	53.3	9.68
			TO-14	m,p-Xylenes	108-38-3/1	N	10.65	U	PPBV	106.5	10.65
			TO-14	Methylene Chloride	75-09-2	N	107	J	PPBV	53.3	19.26
			TO-14	o-Xylene	95-47-6	N	5.66	U	PPBV	53.3	5.66
			TO-14	PCE	127-18-4	N	3.35	U	PPBV	53.3	3.35

# APPENDIX A

## Summary of Analytical Data, First Quarter 2005

LTO&M First Quarter 2005 Report, Beale Air Force Base, California

Site	Sample Location	Sample Date	Method	Analyte	CAS No.	QA/QC Type	Result	Flag	Units	Reporting Limit	Method Detection Limit
<b>Soil Vapor Extraction Systems</b>											
Site 8	Pre-carbon	1/24/2005	TO-14	Styrene	100-42-5	N	4.79	J	PPBV	53.3	4.27
			TO-14	TCE	79-01-6	N	5240	J	PPBV	53.3	5.05
			TO-14	Toluene	108-88-3	N	5.53	U	PPBV	53.3	5.53
			TO-14	Trichlorofluoromethane	75-69-4	N	3.2	J	PPBV	53.3	2.92
			TO-14	Vinyl Chloride	75-01-4	N	3.91	U	PPBV	53.3	3.91
	Mid-carbon		SW8015-P	TPH-Gasoline	TPH-Gasoline	N	16.8	U	µg/L	748	16.8
			TO-14	1,1,1-TCA	71-55-6	N	0.15	U	PPBV	2.5	0.15
			TO-14	1,1,2,2-Tetrachloroethane	79-34-5	N	0.43	J	PPBV	2.5	0.28
			TO-14	1,1,2-TCA	79-00-5	N	0.21	U	PPBV	2.5	0.21
			TO-14	1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	N	0.16	U	PPBV	2.5	0.16
			TO-14	1,1-DCA	75-34-3	N	0.15	U	PPBV	2.5	0.15
			TO-14	1,1-DCE	75-35-4	N	0.18	U	PPBV	2.5	0.18
			TO-14	1,2,4-Trichlorobenzene	120-82-1	N	1.45	J	PPBV	2.5	0.28
			TO-14	1,2,4-Trimethylbenzene	95-63-6	N	0.65	J	PPBV	2.5	0.28
			TO-14	1,2-DCA	107-06-2	N	0.19	U	PPBV	2.5	0.19
			TO-14	1,2-DCB	95-50-1	N	0.78	J	PPBV	2.5	0.32
			TO-14	1,2-Dichloropropane	78-87-5	N	0.19	U	PPBV	2.5	0.19
			TO-14	1,2-Dichlorotetrafluoroethane	76-14-2	N	0.14	U	PPBV	2.5	0.14
			TO-14	1,2-EDB	106-93-4	N	0.17	U	PPBV	2.5	0.17
			TO-14	1,3,5-Trimethylbenzene	108-67-8	N	0.35	J	PPBV	2.5	0.26
			TO-14	1,3-DCB	541-73-1	N	0.6	J	PPBV	2.5	0.31
			TO-14	1,4-DCB	106-46-7	N	0.75	J	PPBV	2.5	0.27
			TO-14	Benzene	71-43-2	N	0.58	J	PPBV	2.5	0.15
			TO-14	Bromomethane	74-83-9	N	0.42	U	PPBV	2.5	0.42
			TO-14	Carbon Tetrachloride	56-23-5	N	0.16	U	PPBV	2.5	0.16
			TO-14	Chlorobenzene	108-90-7	N	0.25	J	PPBV	2.5	0.21
			TO-14	Chloroethane	75-00-3	N	0.36	U	PPBV	2.5	0.36
			TO-14	Chloroform	67-66-3	N	0.15	U	PPBV	2.5	0.15
			TO-14	Chloromethane	74-87-3	N	0.9	J	PPBV	2.5	0.21
			TO-14	cis-1,2-DCE	156-59-2	N	0.14	U	PPBV	2.5	0.14
			TO-14	cis-1,3-Dichloropropene	10061-01-5	N	0.23	U	PPBV	2.5	0.23
			TO-14	Dichlorodifluoromethane	75-71-8	N	0.18	U	PPBV	2.5	0.18
			TO-14	Ethylbenzene	100-41-4	N	0.58	J	PPBV	2.5	0.26

# APPENDIX A

## Summary of Analytical Data, First Quarter 2005

### LTO&M First Quarter 2005 Report, Beale Air Force Base, California

Site	Sample Location	Sample Date	Method	Analyte	CAS No.	QA/QC Type	Result	Flag	Units	Reporting Limit	Method Detection Limit
<b>Soil Vapor Extraction Systems</b>											
Site 8	Mid-carbon	1/24/2005	TO-14	Hexachlorobutadiene	87-68-3	N	0.45	U	PPBV	2.5	0.45
			TO-14	m,p-Xylenes	108-38-3/1	N	1.98	J	PPBV	5	0.5
			TO-14	Methylene Chloride	75-09-2	N	17.2	J	PPBV	2.5	0.9
			TO-14	o-Xylene	95-47-6	N	0.7	J	PPBV	2.5	0.27
			TO-14	PCE	127-18-4	N	0.16	U	PPBV	2.5	0.16
			TO-14	Styrene	100-42-5	N	0.48	J	PPBV	2.5	0.2
			TO-14	TCE	79-01-6	N	0.8	J	PPBV	2.5	0.24
			TO-14	Toluene	108-88-3	N	2.5	J	PPBV	2.5	0.26
			TO-14	Trichlorofluoromethane	75-69-4	N	0.5	J	PPBV	2.5	0.14
			TO-14	Vinyl Chloride	75-01-4	N	0.18	U	PPBV	2.5	0.18
	Post-carbon		SW8015-P	TPH-Gasoline	TPH-Gasoline	N	15	U	µg/L	667	15
			TO-14	1,1,1-TCA	71-55-6	N	0.13	U	PPBV	2.2	0.13
			TO-14	1,1,2,2-Tetrachloroethane	79-34-5	N	0.25	U	PPBV	2.2	0.25
			TO-14	1,1,2-TCA	79-00-5	N	0.19	U	PPBV	2.2	0.19
			TO-14	1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	N	0.22	J	PPBV	2.2	0.14
			TO-14	1,1-DCA	75-34-3	N	0.13	U	PPBV	2.2	0.13
			TO-14	1,1-DCE	75-35-4	N	0.16	U	PPBV	2.2	0.16
			TO-14	1,2,4-Trichlorobenzene	120-82-1	N	0.36	J	PPBV	2.2	0.25
			TO-14	1,2,4-Trimethylbenzene	95-63-6	N	0.25	U	PPBV	2.2	0.25
			TO-14	1,2-DCA	107-06-2	N	0.17	U	PPBV	2.2	0.17
			TO-14	1,2-DCB	95-50-1	N	0.29	U	PPBV	2.2	0.29
			TO-14	1,2-Dichloropropane	78-87-5	N	0.17	U	PPBV	2.2	0.17
			TO-14	1,2-Dichlorotetrafluoroethane	76-14-2	N	0.13	U	PPBV	2.2	0.13
			TO-14	1,2-EDB	106-93-4	N	0.15	U	PPBV	2.2	0.15
			TO-14	1,3,5-Trimethylbenzene	108-67-8	N	0.23	U	PPBV	2.2	0.23
			TO-14	1,3-DCB	541-73-1	N	0.27	U	PPBV	2.2	0.27
			TO-14	1,4-DCB	106-46-7	N	0.24	U	PPBV	2.2	0.24
			TO-14	Benzene	71-43-2	N	0.45	J	PPBV	2.2	0.13
			TO-14	Bromomethane	74-83-9	N	0.37	U	PPBV	2.2	0.37
			TO-14	Carbon Tetrachloride	56-23-5	N	0.15	U	PPBV	2.2	0.15
			TO-14	Chlorobenzene	108-90-7	N	0.19	U	PPBV	2.2	0.19
			TO-14	Chloroethane	75-00-3	N	0.32	U	PPBV	2.2	0.32
			TO-14	Chloroform	67-66-3	N	0.13	U	PPBV	2.2	0.13

**APPENDIX A**

## Summary of Analytical Data, First Quarter 2005

## LTO&amp;M First Quarter 2005 Report, Beale Air Force Base, California

Site	Sample Location	Sample Date	Method	Analyte	CAS No.	QA/QC Type	Result	Flag	Units	Reporting Limit	Method Detection Limit
<b>Soil Vapor Extraction Systems</b>											
Site 8	Post-carbon	1/24/2005	TO-14	Chloromethane	74-87-3	N	0.89	J	PPBV	2.2	0.19
			TO-14	cis-1,2-DCE	156-59-2	N	0.12	U	PPBV	2.2	0.12
			TO-14	cis-1,3-Dichloropropene	10061-01-5	N	0.2	U	PPBV	2.2	0.2
			TO-14	Dichlorodifluoromethane	75-71-8	N	0.16	U	PPBV	2.2	0.16
			TO-14	Ethylbenzene	100-41-4	N	0.24	U	PPBV	2.2	0.24
			TO-14	Hexachlorobutadiene	87-68-3	N	0.41	U	PPBV	2.2	0.41
			TO-14	m,p-Xylenes	108-38-3/1	N	0.74	J	PPBV	4.5	0.45
			TO-14	Methylene Chloride	75-09-2	N	5.33	J	PPBV	2.2	0.81
			TO-14	o-Xylene	95-47-6	N	0.24	U	PPBV	2.2	0.24
			TO-14	PCE	127-18-4	N	0.14	U	PPBV	2.2	0.14
			TO-14	Styrene	100-42-5	N	0.18	U	PPBV	2.2	0.18
			TO-14	TCE	79-01-6	N	1.61	J	PPBV	2.2	0.21
			TO-14	Toluene	108-88-3	N	1.07	J	PPBV	2.2	0.23
			TO-14	Trichlorofluoromethane	75-69-4	N	0.12	U	PPBV	2.2	0.12
			TO-14	Vinyl Chloride	75-01-4	N	0.16	U	PPBV	2.2	0.16

## Notes:

U = Not Detected.

FD = Field Duplicate.

N = Normal Sample.

## Qualifier Description

B = The analyte was found in an associated blank, as well as in the sample.

F = The analyte was positively identified but the associated numerical value is below the reporting limit (RL).

J = The analyte was positively identified, the quantitation is an estimate.

M = A matrix effect was present.

**GTS Influent and Effluent, Validated Analytical  
Data, First Quarter 2005**

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# APPENDIX A

## Summary of Analytical Data, First Quarter 2005

LTO&M First Quarter 2005 Report, Beale Air Force Base, California

Site	Sample Location	Sample Date	Method	Analyte	CAS No.	QA/QC Type	Result	Flag	Units	Reporting Limit	Method Detection Limit
<b>GTS</b>											
Site 13	Combined Influent	1/21/2005	E314	Perchlorate	14797-73-0	N	0.45	F	µg/L	4	0.26
			SW8260	1,1,1,2-Tetrachloroethane	630-20-6	N	0.09	U	µg/L	0.5	0.09
			SW8260	1,1,1-TCA	71-55-6	N	0.11	U	µg/L	1	0.11
			SW8260	1,1,2,2-Tetrachloroethane	79-34-5	N	0.11	U	µg/L	0.5	0.11
			SW8260	1,1,2-TCA	79-00-5	N	0.74	F	µg/L	1	0.14
			SW8260	1,1-DCA	75-34-3	N	0.13	U	µg/L	1	0.13
			SW8260	1,1-DCE	75-35-4	N	0.13	U	µg/L	1	0.13
			SW8260	1,1-Dichloropropene	563-58-6	N	0.07	U	µg/L	1	0.07
			SW8260	1,2,3-Trichlorobenzene	87-61-6	N	0.07	U	µg/L	1	0.07
			SW8260	1,2,3-Trichloropropane	96-18-4	N	0.11	U	µg/L	1	0.11
			SW8260	1,2,4-Trichlorobenzene	120-82-1	N	0.08	U	µg/L	1	0.08
			SW8260	1,2,4-Trimethylbenzene	95-63-6	N	0.07	U	µg/L	1	0.07
			SW8260	1,2-DCA	107-06-2	N	0.1	U	µg/L	0.5	0.1
			SW8260	1,2-DCB	95-50-1	N	0.11	U	µg/L	1	0.11
			SW8260	1,2-Dibromo-3-chloropropane	96-12-8	N	0.12	U	µg/L	2	0.12
			SW8260	1,2-Dichloropropane	78-87-5	N	0.12	U	µg/L	1	0.12
			SW8260	1,2-EDB	106-93-4	N	0.09	U	µg/L	1	0.09
			SW8260	1,3,5-Trimethylbenzene	108-67-8	N	0.08	U	µg/L	1	0.08
			SW8260	1,3-DCB	541-73-1	N	0.1	U	µg/L	1	0.1
			SW8260	1,3-Dichloropropane	142-28-9	N	0.09	U	µg/L	0.4	0.09
			SW8260	1,4-DCB	106-46-7	N	0.13	U	µg/L	0.5	0.13
			SW8260	1-Chlorohexane	544-10-5	N	0.06	U	µg/L	1	0.06
			SW8260	2,2-Dichloropropane	594-20-7	N	0.12	U	µg/L	1	0.12
			SW8260	2-Chlorotoluene	95-49-8	N	0.08	U	µg/L	1	0.08
			SW8260	4-Chlorotoluene	106-43-4	N	0.07	U	µg/L	1	0.07
			SW8260	Acetone	67-64-1	N	0.6	U	µg/L	10	0.6
			SW8260	Benzene	71-43-2	N	0.07	U	µg/L	0.4	0.07
			SW8260	Bromobenzene	108-86-1	N	0.11	U	µg/L	1	0.11
			SW8260	Bromochloromethane	74-97-5	N	0.13	U	µg/L	1	0.13
			SW8260	Bromodichloromethane	75-27-4	N	0.12	U	µg/L	0.5	0.12
			SW8260	Bromoform	75-25-2	N	0.08	U	µg/L	1	0.08
			SW8260	Bromomethane	74-83-9	N	0.23	U	µg/L	3	0.23
			SW8260	Carbon Tetrachloride	56-23-5	N	0.08	U	µg/L	1	0.08

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## Summary of Analytical Data, First Quarter 2005

LTO&M First Quarter 2005 Report, Beale Air Force Base, California

Site	Sample Location	Sample Date	Method	Analyte	CAS No.	QA/QC Type	Result	Flag	Units	Reporting Limit	Method Detection Limit
<b>GTS</b>											
Site 13	Combined Influent	1/21/2005	SW8260	Chlorobenzene	108-90-7	N	0.12	U	µg/L	0.5	0.12
			SW8260	Chloroethane	75-00-3	N	0.2	U	µg/L	1	0.2
			SW8260	Chloroform	67-66-3	N	0.32		µg/L	0.3	0.13
			SW8260	Chloromethane	74-87-3	N	0.15	U	µg/L	1	0.15
			SW8260	cis-1,2-DCE	156-59-2	N	7.06		µg/L	1	0.1
			SW8260	cis-1,3-Dichloropropene	10061-01-5	N	0.1	U	µg/L	0.5	0.1
			SW8260	Dibromochloromethane	124-48-1	N	0.09	U	µg/L	0.5	0.09
			SW8260	Dibromomethane	74-95-3	N	0.11	U	µg/L	1	0.11
			SW8260	Dichlorodifluoromethane	75-71-8	N	0.13	U	µg/L	1	0.13
			SW8260	Ethylbenzene	100-41-4	N	0.08	U	µg/L	1	0.08
			SW8260	Hexachlorobutadiene	87-68-3	N	0.09	U	µg/L	0.6	0.09
			SW8260	Isopropylbenzene	98-82-8	N	0.08	U	µg/L	1	0.08
			SW8260	m,p-Xylene	108-38-3/1	N	0.14	U	µg/L	2	0.14
			SW8260	MEK (2-Butanone)	78-93-3	N	0.2	U	µg/L	10	0.2
			SW8260	Methyl t-butyl ether (MtBE)	1634-04-4	N	0.15	U	µg/L	5	0.15
			SW8260	Methylene Chloride	75-09-2	N	0.2	U	µg/L	1	0.2
			SW8260	MIBK (methyl isobutyl ketone)	108-10-1	N	0.1	U	µg/L	10	0.1
			SW8260	Naphthalene	91-20-3	N	0.05	U	µg/L	1	0.05
			SW8260	n-Butylbenzene	104-51-8	N	0.09	U	µg/L	1	0.09
			SW8260	n-Propylbenzene	103-65-1	N	0.08	U	µg/L	1	0.08
			SW8260	o-Xylene	95-47-6	N	0.09	U	µg/L	1	0.09
			SW8260	PCE	127-18-4	N	0.81	F	µg/L	1	0.07
			SW8260	p-Isopropyltoluene	99-87-6	N	0.09	U	µg/L	1	0.09
			SW8260	sec-Butylbenzene	135-98-8	N	0.07	U	µg/L	1	0.07
			SW8260	Styrene	100-42-5	N	0.08	U	µg/L	1	0.08
			SW8260	TCE	79-01-6	N	60		µg/L	1	0.1
			SW8260	Tert-Butylbenzene	98-06-6	N	0.07	U	µg/L	1	0.07
			SW8260	Toluene	108-88-3	N	0.08	U	µg/L	1	0.08
			SW8260	trans-1,2-DCE	156-60-5	N	1.96		µg/L	1	0.09
			SW8260	trans-1,3-Dichloropropene	10061-02-6	N	0.07	U	µg/L	1	0.07
			SW8260	Trichlorofluoromethane	75-69-4	N	0.17	U	µg/L	1	0.17
			SW8260	Vinyl Chloride	75-01-4	N	0.21	U	µg/L	1	0.21
		2/8/2005	SW8260	1,1,1,2-Tetrachloroethane	630-20-6	N	0.09	U	µg/L	0.5	0.09

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## Summary of Analytical Data, First Quarter 2005

LTO&M First Quarter 2005 Report, Beale Air Force Base, California

Site	Sample Location	Sample Date	Method	Analyte	CAS No.	QA/QC Type	Result	Flag	Units	Reporting Limit	Method Detection Limit
<b>GTS</b>											
Site 13	Combined Influent	2/8/2005	SW8260	1,1,1-TCA	71-55-6	N	0.11	U	µg/L	1	0.11
			SW8260	1,1,2,2-Tetrachloroethane	79-34-5	N	0.11	U	µg/L	0.5	0.11
			SW8260	1,1,2-TCA	79-00-5	N	0.8	F	µg/L	1	0.14
			SW8260	1,1-DCA	75-34-3	N	0.13	U	µg/L	1	0.13
			SW8260	1,1-DCE	75-35-4	N	0.13	U	µg/L	1	0.13
			SW8260	1,1-Dichloropropene	563-58-6	N	0.07	U	µg/L	1	0.07
			SW8260	1,2,3-Trichlorobenzene	87-61-6	N	0.07	U	µg/L	1	0.07
			SW8260	1,2,3-Trichloropropane	96-18-4	N	0.11	U	µg/L	1	0.11
			SW8260	1,2,4-Trichlorobenzene	120-82-1	N	0.08	U	µg/L	1	0.08
			SW8260	1,2,4-Trimethylbenzene	95-63-6	N	0.07	U	µg/L	1	0.07
			SW8260	1,2-DCA	107-06-2	N	0.1	U	µg/L	0.5	0.1
			SW8260	1,2-DCB	95-50-1	N	0.11	U	µg/L	1	0.11
			SW8260	1,2-Dibromo-3-chloropropane	96-12-8	N	0.12	U	µg/L	2	0.12
			SW8260	1,2-Dichloropropane	78-87-5	N	0.12	U	µg/L	1	0.12
			SW8260	1,2-EDB	106-93-4	N	0.09	U	µg/L	1	0.09
			SW8260	1,3,5-Trimethylbenzene	108-67-8	N	0.08	U	µg/L	1	0.08
			SW8260	1,3-DCB	541-73-1	N	0.1	U	µg/L	1	0.1
			SW8260	1,3-Dichloropropane	142-28-9	N	0.09	U	µg/L	0.4	0.09
			SW8260	1,4-DCB	106-46-7	N	0.13	U	µg/L	0.5	0.13
			SW8260	1-Chlorohexane	544-10-5	N	0.06	U	µg/L	1	0.06
			SW8260	2,2-Dichloropropane	594-20-7	N	0.12	U	µg/L	1	0.12
			SW8260	2-Chlorotoluene	95-49-8	N	0.08	U	µg/L	1	0.08
			SW8260	4-Chlorotoluene	106-43-4	N	0.07	U	µg/L	1	0.07
			SW8260	Acetone	67-64-1	N	0.6	U	µg/L	10	0.6
			SW8260	Benzene	71-43-2	N	0.07	U	µg/L	0.4	0.07
			SW8260	Bromobenzene	108-86-1	N	0.11	U	µg/L	1	0.11
			SW8260	Bromochloromethane	74-97-5	N	0.13	U	µg/L	1	0.13
			SW8260	Bromodichloromethane	75-27-4	N	0.12	U	µg/L	0.5	0.12
			SW8260	Bromoform	75-25-2	N	0.08	U	µg/L	1	0.08
			SW8260	Bromomethane	74-83-9	N	0.23	U	µg/L	3	0.23
			SW8260	Carbon Tetrachloride	56-23-5	N	0.08	U	µg/L	1	0.08
			SW8260	Chlorobenzene	108-90-7	N	0.12	U	µg/L	0.5	0.12
			SW8260	Chloroethane	75-00-3	N	0.2	U	µg/L	1	0.2

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Site	Sample Location	Sample Date	Method	Analyte	CAS No.	QA/QC Type	Result	Flag	Units	Reporting Limit	Method Detection Limit
<b>GTS</b>											
Site 13	Combined Influent	2/8/2005	SW8260	Chloroform	67-66-3	N	0.29	F	µg/L	0.3	0.13
			SW8260	Chloromethane	74-87-3	N	0.15	U	µg/L	1	0.15
			SW8260	cis-1,2-DCE	156-59-2	N	5.83		µg/L	1	0.1
			SW8260	cis-1,3-Dichloropropene	10061-01-5	N	0.1	U	µg/L	0.5	0.1
			SW8260	Dibromochloromethane	124-48-1	N	0.09	U	µg/L	0.5	0.09
			SW8260	Dibromomethane	74-95-3	N	0.11	U	µg/L	1	0.11
			SW8260	Dichlorodifluoromethane	75-71-8	N	0.13	U	µg/L	1	0.13
			SW8260	Ethylbenzene	100-41-4	N	0.08	U	µg/L	1	0.08
			SW8260	Hexachlorobutadiene	87-68-3	N	0.09	U	µg/L	0.6	0.09
			SW8260	Isopropylbenzene	98-82-8	N	0.08	U	µg/L	1	0.08
			SW8260	m,p-Xylene	108-38-3/1	N	0.14	U	µg/L	2	0.14
			SW8260	MEK (2-Butanone)	78-93-3	N	0.2	U	µg/L	10	0.2
			SW8260	Methyl t-butyl ether (MtBE)	1634-04-4	N	0.15	U	µg/L	5	0.15
			SW8260	Methylene Chloride	75-09-2	N	0.2	U	µg/L	1	0.2
			SW8260	MIBK (methyl isobutyl ketone)	108-10-1	N	0.1	U	µg/L	10	0.1
			SW8260	Naphthalene	91-20-3	N	0.05	U	µg/L	1	0.05
			SW8260	n-Butylbenzene	104-51-8	N	0.09	U	µg/L	1	0.09
			SW8260	n-Propylbenzene	103-65-1	N	0.08	U	µg/L	1	0.08
			SW8260	o-Xylene	95-47-6	N	0.09	U	µg/L	1	0.09
			SW8260	PCE	127-18-4	N	0.68	F	µg/L	1	0.07
			SW8260	p-Isopropyltoluene	99-87-6	N	0.09	U	µg/L	1	0.09
			SW8260	sec-Butylbenzene	135-98-8	N	0.07	U	µg/L	1	0.07
			SW8260	Styrene	100-42-5	N	0.08	U	µg/L	1	0.08
			SW8260	TCE	79-01-6	N	53.5		µg/L	1	0.1
			SW8260	Tert-Butylbenzene	98-06-6	N	0.07	U	µg/L	1	0.07
			SW8260	Toluene	108-88-3	N	0.08	U	µg/L	1	0.08
			SW8260	trans-1,2-DCE	156-60-5	N	1.65		µg/L	1	0.09
			SW8260	trans-1,3-Dichloropropene	10061-02-6	N	0.07	U	µg/L	1	0.07
			SW8260	Trichlorofluoromethane	75-69-4	N	0.17	U	µg/L	1	0.17
			SW8260	Vinyl Chloride	75-01-4	N	0.21	U	µg/L	1	0.21
		3/9/2005	SW8260	1,1,1,2-Tetrachloroethane	630-20-6	N	0.06	U	µg/L	0.5	0.06
			SW8260	1,1,1-TCA	71-55-6	N	0.08	U	µg/L	1	0.08
			SW8260	1,1,2,2-Tetrachloroethane	79-34-5	N	0.06	U	µg/L	0.5	0.06

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## Summary of Analytical Data, First Quarter 2005

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Site	Sample Location	Sample Date	Method	Analyte	CAS No.	QA/QC Type	Result	Flag	Units	Reporting Limit	Method Detection Limit
<b>GTS</b>											
Site 13	Combined Influent	3/9/2005	SW8260	1,1,2-TCA	79-00-5	N	0.72	F	µg/L	1	0.07
			SW8260	1,1-DCA	75-34-3	N	0.06	U	µg/L	1	0.06
			SW8260	1,1-DCE	75-35-4	N	0.07	U	µg/L	1	0.07
			SW8260	1,1-Dichloropropene	563-58-6	N	0.05	U	µg/L	1	0.05
			SW8260	1,2,3-Trichlorobenzene	87-61-6	N	0.09	U	µg/L	1	0.09
			SW8260	1,2,3-Trichloropropane	96-18-4	N	0.08	U	µg/L	1	0.08
			SW8260	1,2,4-Trichlorobenzene	120-82-1	N	0.06	U	µg/L	1	0.06
			SW8260	1,2,4-Trimethylbenzene	95-63-6	N	0.05	U	µg/L	1	0.05
			SW8260	1,2-DCA	107-06-2	N	0.09	U	µg/L	0.5	0.09
			SW8260	1,2-DCB	95-50-1	N	0.06	U	µg/L	1	0.06
			SW8260	1,2-Dibromo-3-chloropropane	96-12-8	N	0.12	U	µg/L	2	0.12
			SW8260	1,2-Dichloropropane	78-87-5	N	0.04	U	µg/L	1	0.04
			SW8260	1,2-EDB	106-93-4	N	0.07	U	µg/L	1	0.07
			SW8260	1,3,5-Trimethylbenzene	108-67-8	N	0.06	U	µg/L	1	0.06
			SW8260	1,3-DCB	541-73-1	N	0.06	U	µg/L	1	0.06
			SW8260	1,3-Dichloropropane	142-28-9	N	0.05	U	µg/L	0.4	0.05
			SW8260	1,4-DCB	106-46-7	N	0.07	U	µg/L	0.5	0.07
			SW8260	1-Chlorohexane	544-10-5	N	0.06	U	µg/L	1	0.06
			SW8260	2,2-Dichloropropane	594-20-7	N	0.09	U	µg/L	1	0.09
			SW8260	2-Chlorotoluene	95-49-8	N	0.06	U	µg/L	1	0.06
			SW8260	4-Chlorotoluene	106-43-4	N	0.06	U	µg/L	1	0.06
			SW8260	Acetone	67-64-1	N	0.5	U	µg/L	10	0.5
			SW8260	Benzene	71-43-2	N	0.06	U	µg/L	0.4	0.06
			SW8260	Bromobenzene	108-86-1	N	0.07	U	µg/L	1	0.07
			SW8260	Bromochloromethane	74-97-5	N	0.09	U	µg/L	1	0.09
			SW8260	Bromodichloromethane	75-27-4	N	0.07	U	µg/L	0.5	0.07
			SW8260	Bromoform	75-25-2	N	0.08	U	µg/L	1	0.08
			SW8260	Bromomethane	74-83-9	N	0.1	U	µg/L	3	0.1
			SW8260	Carbon Tetrachloride	56-23-5	N	0.06	U	µg/L	1	0.06
			SW8260	Chlorobenzene	108-90-7	N	0.07	U	µg/L	0.5	0.07
			SW8260	Chloroethane	75-00-3	N	0.03	U	µg/L	1	0.03
			SW8260	Chloroform	67-66-3	N	0.21	F	µg/L	0.3	0.09
			SW8260	Chloromethane	74-87-3	N	0.04	U	µg/L	1	0.04

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Site	Sample Location	Sample Date	Method	Analyte	CAS No.	QA/QC Type	Result	Flag	Units	Reporting Limit	Method Detection Limit
<b>GTS</b>											
Site 13	Combined Influent	3/9/2005	SW8260	cis-1,2-DCE	156-59-2	N	4.65		µg/L	1	0.06
			SW8260	cis-1,3-Dichloropropene	10061-01-5	N	0.07	U	µg/L	0.5	0.07
			SW8260	Dibromochloromethane	124-48-1	N	0.03	U	µg/L	0.5	0.03
			SW8260	Dibromomethane	74-95-3	N	0.09	U	µg/L	1	0.09
			SW8260	Dichlorodifluoromethane	75-71-8	N	0.05	U	µg/L	1	0.05
			SW8260	Ethylbenzene	100-41-4	N	0.06	U	µg/L	1	0.06
			SW8260	Hexachlorobutadiene	87-68-3	N	0.07	U	µg/L	0.6	0.07
			SW8260	Isopropylbenzene	98-82-8	N	0.05	U	µg/L	1	0.05
			SW8260	m,p-Xylene	108-38-3/1	N	0.1	U	µg/L	2	0.1
			SW8260	MEK (2-Butanone)	78-93-3	N	0.3	U	µg/L	10	0.3
			SW8260	Methyl t-butyl ether (MtBE)	1634-04-4	N	0.06	U	µg/L	5	0.06
			SW8260	Methylene Chloride	75-09-2	N	0.07	U	µg/L	1	0.07
			SW8260	MIBK (methyl isobutyl ketone)	108-10-1	N	0.2	U	µg/L	10	0.2
			SW8260	Naphthalene	91-20-3	N	0.07	U	µg/L	1	0.07
			SW8260	n-Butylbenzene	104-51-8	N	0.06	U	µg/L	1	0.06
			SW8260	n-Propylbenzene	103-65-1	N	0.05	U	µg/L	1	0.05
			SW8260	o-Xylene	95-47-6	N	0.06	U	µg/L	1	0.06
			SW8260	PCE	127-18-4	N	0.64	F	µg/L	1	0.08
			SW8260	p-Isopropyltoluene	99-87-6	N	0.04	U	µg/L	1	0.04
			SW8260	sec-Butylbenzene	135-98-8	N	0.06	U	µg/L	1	0.06
			SW8260	Styrene	100-42-5	N	0.05	U	µg/L	1	0.05
			SW8260	TCE	79-01-6	N	45		µg/L	1	0.07
			SW8260	Tert-Butylbenzene	98-06-6	N	0.06	U	µg/L	1	0.06
			SW8260	Toluene	108-88-3	N	0.06	U	µg/L	1	0.06
			SW8260	trans-1,2-DCE	156-60-5	N	1.29		µg/L	1	0.07
			SW8260	trans-1,3-Dichloropropene	10061-02-6	N	0.05	U	µg/L	1	0.05
			SW8260	Trichlorofluoromethane	75-69-4	N	0.06	U	µg/L	1	0.06
			SW8260	Vinyl Chloride	75-01-4	N	0.09	U	µg/L	1	0.09
	Combined Effluent	1/21/2005	E314	Perchlorate	14797-73-0	N	0.26	U	µg/L	4	0.26
			SW8260	1,1,1,2-Tetrachloroethane	630-20-6	N	0.09	U	µg/L	0.5	0.09
			SW8260	1,1,1-TCA	71-55-6	N	0.11	U	µg/L	1	0.11
			SW8260	1,1,2,2-Tetrachloroethane	79-34-5	N	0.11	U	µg/L	0.5	0.11
			SW8260	1,1,2-TCA	79-00-5	N	0.14	U	µg/L	1	0.14

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Site	Sample Location	Sample Date	Method	Analyte	CAS No.	QA/QC Type	Result	Flag	Units	Reporting Limit	Method Detection Limit
<b>GTS</b>											
Site 13	Combined Effluent	1/21/2005	SW8260	1,1-DCA	75-34-3	N	0.13	U	µg/L	1	0.13
			SW8260	1,1-DCE	75-35-4	N	0.13	U	µg/L	1	0.13
			SW8260	1,1-Dichloropropene	563-58-6	N	0.07	U	µg/L	1	0.07
			SW8260	1,2,3-Trichlorobenzene	87-61-6	N	0.07	U	µg/L	1	0.07
			SW8260	1,2,3-Trichloropropane	96-18-4	N	0.11	U	µg/L	1	0.11
			SW8260	1,2,4-Trichlorobenzene	120-82-1	N	0.08	U	µg/L	1	0.08
			SW8260	1,2,4-Trimethylbenzene	95-63-6	N	0.07	U	µg/L	1	0.07
			SW8260	1,2-DCA	107-06-2	N	0.1	U	µg/L	0.5	0.1
			SW8260	1,2-DCB	95-50-1	N	0.11	U	µg/L	1	0.11
			SW8260	1,2-Dibromo-3-chloropropane	96-12-8	N	0.12	U	µg/L	2	0.12
			SW8260	1,2-Dichloropropane	78-87-5	N	0.12	U	µg/L	1	0.12
			SW8260	1,2-EDB	106-93-4	N	0.09	U	µg/L	1	0.09
			SW8260	1,3,5-Trimethylbenzene	108-67-8	N	0.08	U	µg/L	1	0.08
			SW8260	1,3-DCB	541-73-1	N	0.1	U	µg/L	1	0.1
			SW8260	1,3-Dichloropropane	142-28-9	N	0.09	U	µg/L	0.4	0.09
			SW8260	1,4-DCB	106-46-7	N	0.13	U	µg/L	0.5	0.13
			SW8260	1-Chlorohexane	544-10-5	N	0.06	U	µg/L	1	0.06
			SW8260	2,2-Dichloropropane	594-20-7	N	0.12	U	µg/L	1	0.12
			SW8260	2-Chlorotoluene	95-49-8	N	0.08	U	µg/L	1	0.08
			SW8260	4-Chlorotoluene	106-43-4	N	0.07	U	µg/L	1	0.07
			SW8260	Acetone	67-64-1	N	0.6	U	µg/L	10	0.6
			SW8260	Benzene	71-43-2	N	0.07	U	µg/L	0.4	0.07
			SW8260	Bromobenzene	108-86-1	N	0.11	U	µg/L	1	0.11
			SW8260	Bromochloromethane	74-97-5	N	0.13	U	µg/L	1	0.13
			SW8260	Bromodichloromethane	75-27-4	N	0.12	U	µg/L	0.5	0.12
			SW8260	Bromoform	75-25-2	N	0.08	U	µg/L	1	0.08
			SW8260	Bromomethane	74-83-9	N	0.23	U	µg/L	3	0.23
			SW8260	Carbon Tetrachloride	56-23-5	N	0.08	U	µg/L	1	0.08
			SW8260	Chlorobenzene	108-90-7	N	0.12	U	µg/L	0.5	0.12
			SW8260	Chloroethane	75-00-3	N	0.2	U	µg/L	1	0.2
			SW8260	Chloroform	67-66-3	N	0.13	U	µg/L	0.3	0.13
			SW8260	Chloromethane	74-87-3	N	0.15	U	µg/L	1	0.15
			SW8260	cis-1,2-DCE	156-59-2	N	0.1	U	µg/L	1	0.1

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## Summary of Analytical Data, First Quarter 2005

LTO&M First Quarter 2005 Report, Beale Air Force Base, California

Site	Sample Location	Sample Date	Method	Analyte	CAS No.	QA/QC Type	Result	Flag	Units	Reporting Limit	Method Detection Limit
<b>GTS</b>											
Site 13	Combined Effluent	1/21/2005	SW8260	cis-1,3-Dichloropropene	10061-01-5	N	0.1	U	µg/L	0.5	0.1
			SW8260	Dibromochloromethane	124-48-1	N	0.09	U	µg/L	0.5	0.09
			SW8260	Dibromomethane	74-95-3	N	0.11	U	µg/L	1	0.11
			SW8260	Dichlorodifluoromethane	75-71-8	N	0.13	U	µg/L	1	0.13
			SW8260	Ethylbenzene	100-41-4	N	0.08	U	µg/L	1	0.08
			SW8260	Hexachlorobutadiene	87-68-3	N	0.09	U	µg/L	0.6	0.09
			SW8260	Isopropylbenzene	98-82-8	N	0.08	U	µg/L	1	0.08
			SW8260	m,p-Xylene	108-38-3/1	N	0.14	U	µg/L	2	0.14
			SW8260	MEK (2-Butanone)	78-93-3	N	0.2	U	µg/L	10	0.2
			SW8260	Methyl t-butyl ether (MtBE)	1634-04-4	N	0.15	U	µg/L	5	0.15
			SW8260	Methylene Chloride	75-09-2	N	0.2	U	µg/L	1	0.2
			SW8260	MIBK (methyl isobutyl ketone)	108-10-1	N	0.1	U	µg/L	10	0.1
			SW8260	Naphthalene	91-20-3	N	0.05	U	µg/L	1	0.05
			SW8260	n-Butylbenzene	104-51-8	N	0.09	U	µg/L	1	0.09
			SW8260	n-Propylbenzene	103-65-1	N	0.08	U	µg/L	1	0.08
			SW8260	o-Xylene	95-47-6	N	0.09	U	µg/L	1	0.09
			SW8260	PCE	127-18-4	N	0.07	U	µg/L	1	0.07
			SW8260	p-Isopropyltoluene	99-87-6	N	0.09	U	µg/L	1	0.09
			SW8260	sec-Butylbenzene	135-98-8	N	0.07	U	µg/L	1	0.07
			SW8260	Styrene	100-42-5	N	0.08	U	µg/L	1	0.08
			SW8260	TCE	79-01-6	N	0.1	U	µg/L	1	0.1
			SW8260	Tert-Butylbenzene	98-06-6	N	0.07	U	µg/L	1	0.07
			SW8260	Toluene	108-88-3	N	0.08	U	µg/L	1	0.08
			SW8260	trans-1,2-DCE	156-60-5	N	0.09	U	µg/L	1	0.09
			SW8260	trans-1,3-Dichloropropene	10061-02-6	N	0.07	U	µg/L	1	0.07
			SW8260	Trichlorofluoromethane	75-69-4	N	0.17	U	µg/L	1	0.17
			SW8260	Vinyl Chloride	75-01-4	N	0.21	U	µg/L	1	0.21
		2/8/2005	SW8260	1,1,1,2-Tetrachloroethane	630-20-6	N	0.09	U	µg/L	0.5	0.09
			SW8260	1,1,1-TCA	71-55-6	N	0.11	U	µg/L	1	0.11
			SW8260	1,1,2,2-Tetrachloroethane	79-34-5	N	0.11	U	µg/L	0.5	0.11
			SW8260	1,1,2-TCA	79-00-5	N	0.14	U	µg/L	1	0.14
			SW8260	1,1-DCA	75-34-3	N	0.13	U	µg/L	1	0.13
			SW8260	1,1-DCE	75-35-4	N	0.13	U	µg/L	1	0.13

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## Summary of Analytical Data, First Quarter 2005

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Site	Sample Location	Sample Date	Method	Analyte	CAS No.	QA/QC Type	Result	Flag	Units	Reporting Limit	Method Detection Limit
<b>GTS</b>											
Site 13	Combined Effluent	2/8/2005	SW8260	1,1-Dichloropropene	563-58-6	N	0.07	U	µg/L	1	0.07
			SW8260	1,2,3-Trichlorobenzene	87-61-6	N	0.07	U	µg/L	1	0.07
			SW8260	1,2,3-Trichloropropane	96-18-4	N	0.11	U	µg/L	1	0.11
			SW8260	1,2,4-Trichlorobenzene	120-82-1	N	0.08	U	µg/L	1	0.08
			SW8260	1,2,4-Trimethylbenzene	95-63-6	N	0.07	U	µg/L	1	0.07
			SW8260	1,2-DCA	107-06-2	N	0.1	U	µg/L	0.5	0.1
			SW8260	1,2-DCB	95-50-1	N	0.11	U	µg/L	1	0.11
			SW8260	1,2-Dibromo-3-chloropropane	96-12-8	N	0.12	U	µg/L	2	0.12
			SW8260	1,2-Dichloropropane	78-87-5	N	0.12	U	µg/L	1	0.12
			SW8260	1,2-EDB	106-93-4	N	0.09	U	µg/L	1	0.09
			SW8260	1,3,5-Trimethylbenzene	108-67-8	N	0.08	U	µg/L	1	0.08
			SW8260	1,3-DCB	541-73-1	N	0.1	U	µg/L	1	0.1
			SW8260	1,3-Dichloropropane	142-28-9	N	0.09	U	µg/L	0.4	0.09
			SW8260	1,4-DCB	106-46-7	N	0.13	U	µg/L	0.5	0.13
			SW8260	1-Chlorohexane	544-10-5	N	0.06	U	µg/L	1	0.06
			SW8260	2,2-Dichloropropane	594-20-7	N	0.12	U	µg/L	1	0.12
			SW8260	2-Chlorotoluene	95-49-8	N	0.08	U	µg/L	1	0.08
			SW8260	4-Chlorotoluene	106-43-4	N	0.07	U	µg/L	1	0.07
			SW8260	Acetone	67-64-1	N	0.6	U	µg/L	10	0.6
			SW8260	Benzene	71-43-2	N	0.07	U	µg/L	0.4	0.07
			SW8260	Bromobenzene	108-86-1	N	0.11	U	µg/L	1	0.11
			SW8260	Bromochloromethane	74-97-5	N	0.13	U	µg/L	1	0.13
			SW8260	Bromodichloromethane	75-27-4	N	0.12	U	µg/L	0.5	0.12
			SW8260	Bromoform	75-25-2	N	0.08	U	µg/L	1	0.08
			SW8260	Bromomethane	74-83-9	N	0.23	U	µg/L	3	0.23
			SW8260	Carbon Tetrachloride	56-23-5	N	0.08	U	µg/L	1	0.08
			SW8260	Chlorobenzene	108-90-7	N	0.12	U	µg/L	0.5	0.12
			SW8260	Chloroethane	75-00-3	N	0.2	U	µg/L	1	0.2
			SW8260	Chloroform	67-66-3	N	0.13	U	µg/L	0.3	0.13
			SW8260	Chloromethane	74-87-3	N	0.15	U	µg/L	1	0.15
			SW8260	cis-1,2-DCE	156-59-2	N	0.1	U	µg/L	1	0.1
			SW8260	cis-1,3-Dichloropropene	10061-01-5	N	0.1	U	µg/L	0.5	0.1
			SW8260	Dibromochloromethane	124-48-1	N	0.09	U	µg/L	0.5	0.09

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## Summary of Analytical Data, First Quarter 2005

LTO&M First Quarter 2005 Report, Beale Air Force Base, California

Site	Sample Location	Sample Date	Method	Analyte	CAS No.	QA/QC Type	Result	Flag	Units	Reporting Limit	Method Detection Limit
<b>GTS</b>											
Site 13	Combined Effluent	2/8/2005	SW8260	Dibromomethane	74-95-3	N	0.11	U	µg/L	1	0.11
			SW8260	Dichlorodifluoromethane	75-71-8	N	0.13	U	µg/L	1	0.13
			SW8260	Ethylbenzene	100-41-4	N	0.08	U	µg/L	1	0.08
			SW8260	Hexachlorobutadiene	87-68-3	N	0.09	U	µg/L	0.6	0.09
			SW8260	Isopropylbenzene	98-82-8	N	0.08	U	µg/L	1	0.08
			SW8260	m,p-Xylene	108-38-3/1	N	0.14	U	µg/L	2	0.14
			SW8260	MEK (2-Butanone)	78-93-3	N	0.2	U	µg/L	10	0.2
			SW8260	Methyl t-butyl ether (MtBE)	1634-04-4	N	0.15	U	µg/L	5	0.15
			SW8260	Methylene Chloride	75-09-2	N	0.2	U	µg/L	1	0.2
			SW8260	MIBK (methyl isobutyl ketone)	108-10-1	N	0.1	U	µg/L	10	0.1
			SW8260	Naphthalene	91-20-3	N	0.05	U	µg/L	1	0.05
			SW8260	n-Butylbenzene	104-51-8	N	0.09	U	µg/L	1	0.09
			SW8260	n-Propylbenzene	103-65-1	N	0.08	U	µg/L	1	0.08
			SW8260	o-Xylene	95-47-6	N	0.09	U	µg/L	1	0.09
			SW8260	PCE	127-18-4	N	0.07	U	µg/L	1	0.07
			SW8260	p-Isopropyltoluene	99-87-6	N	0.09	U	µg/L	1	0.09
			SW8260	sec-Butylbenzene	135-98-8	N	0.07	U	µg/L	1	0.07
			SW8260	Styrene	100-42-5	N	0.08	U	µg/L	1	0.08
			SW8260	TCE	79-01-6	N	0.1	U	µg/L	1	0.1
			SW8260	Tert-Butylbenzene	98-06-6	N	0.07	U	µg/L	1	0.07
			SW8260	Toluene	108-88-3	N	0.08	U	µg/L	1	0.08
			SW8260	trans-1,2-DCE	156-60-5	N	0.09	U	µg/L	1	0.09
			SW8260	trans-1,3-Dichloropropene	10061-02-6	N	0.07	U	µg/L	1	0.07
			SW8260	Trichlorofluoromethane	75-69-4	N	0.17	U	µg/L	1	0.17
			SW8260	Vinyl Chloride	75-01-4	N	0.21	U	µg/L	1	0.21
		3/9/2005	SW8260	1,1,1,2-Tetrachloroethane	630-20-6	N	0.06	U	µg/L	0.5	0.06
			SW8260	1,1,1-TCA	71-55-6	N	0.08	U	µg/L	1	0.08
			SW8260	1,1,2,2-Tetrachloroethane	79-34-5	N	0.06	U	µg/L	0.5	0.06
			SW8260	1,1,2-TCA	79-00-5	N	0.07	U	µg/L	1	0.07
			SW8260	1,1-DCA	75-34-3	N	0.06	U	µg/L	1	0.06
			SW8260	1,1-DCE	75-35-4	N	0.07	U	µg/L	1	0.07
			SW8260	1,1-Dichloropropene	563-58-6	N	0.05	U	µg/L	1	0.05
			SW8260	1,2,3-Trichlorobenzene	87-61-6	N	0.09	U	µg/L	1	0.09

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Site	Sample Location	Sample Date	Method	Analyte	CAS No.	QA/QC Type	Result	Flag	Units	Reporting Limit	Method Detection Limit
<b>GTS</b>											
Site 13	Combined Effluent	3/9/2005	SW8260	1,2,3-Trichloropropane	96-18-4	N	0.08	U	µg/L	1	0.08
			SW8260	1,2,4-Trichlorobenzene	120-82-1	N	0.06	U	µg/L	1	0.06
			SW8260	1,2,4-Trimethylbenzene	95-63-6	N	0.05	U	µg/L	1	0.05
			SW8260	1,2-DCA	107-06-2	N	0.09	U	µg/L	0.5	0.09
			SW8260	1,2-DCB	95-50-1	N	0.06	U	µg/L	1	0.06
			SW8260	1,2-Dibromo-3-chloropropane	96-12-8	N	0.12	U	µg/L	2	0.12
			SW8260	1,2-Dichloropropane	78-87-5	N	0.04	U	µg/L	1	0.04
			SW8260	1,2-EDB	106-93-4	N	0.07	U	µg/L	1	0.07
			SW8260	1,3,5-Trimethylbenzene	108-67-8	N	0.06	U	µg/L	1	0.06
			SW8260	1,3-DCB	541-73-1	N	0.06	U	µg/L	1	0.06
			SW8260	1,3-Dichloropropane	142-28-9	N	0.05	U	µg/L	0.4	0.05
			SW8260	1,4-DCB	106-46-7	N	0.07	U	µg/L	0.5	0.07
			SW8260	1-Chlorohexane	544-10-5	N	0.06	U	µg/L	1	0.06
			SW8260	2,2-Dichloropropane	594-20-7	N	0.09	U	µg/L	1	0.09
			SW8260	2-Chlorotoluene	95-49-8	N	0.06	U	µg/L	1	0.06
			SW8260	4-Chlorotoluene	106-43-4	N	0.06	U	µg/L	1	0.06
			SW8260	Acetone	67-64-1	N	0.5	U	µg/L	10	0.5
			SW8260	Benzene	71-43-2	N	0.06	U	µg/L	0.4	0.06
			SW8260	Bromobenzene	108-86-1	N	0.07	U	µg/L	1	0.07
			SW8260	Bromochloromethane	74-97-5	N	0.09	U	µg/L	1	0.09
			SW8260	Bromodichloromethane	75-27-4	N	0.07	U	µg/L	0.5	0.07
			SW8260	Bromoform	75-25-2	N	0.08	U	µg/L	1	0.08
			SW8260	Bromomethane	74-83-9	N	0.1	U	µg/L	3	0.1
			SW8260	Carbon Tetrachloride	56-23-5	N	0.06	U	µg/L	1	0.06
			SW8260	Chlorobenzene	108-90-7	N	0.07	U	µg/L	0.5	0.07
			SW8260	Chloroethane	75-00-3	N	0.03	U	µg/L	1	0.03
			SW8260	Chloroform	67-66-3	N	0.09	U	µg/L	0.3	0.09
			SW8260	Chloromethane	74-87-3	N	0.04	U	µg/L	1	0.04
			SW8260	cis-1,2-DCE	156-59-2	N	0.06	U	µg/L	1	0.06
			SW8260	cis-1,3-Dichloropropene	10061-01-5	N	0.07	U	µg/L	0.5	0.07
			SW8260	Dibromochloromethane	124-48-1	N	0.03	U	µg/L	0.5	0.03
			SW8260	Dibromomethane	74-95-3	N	0.09	U	µg/L	1	0.09
			SW8260	Dichlorodifluoromethane	75-71-8	N	0.05	U	µg/L	1	0.05

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Site	Sample Location	Sample Date	Method	Analyte	CAS No.	QA/QC Type	Result	Flag	Units	Reporting Limit	Method Detection Limit
<b>GTS</b>											
Site 13	Combined Effluent	3/9/2005	SW8260	Ethylbenzene	100-41-4	N	0.06	U	µg/L	1	0.06
			SW8260	Hexachlorobutadiene	87-68-3	N	0.07	U	µg/L	0.6	0.07
			SW8260	Isopropylbenzene	98-82-8	N	0.05	U	µg/L	1	0.05
			SW8260	m,p-Xylene	108-38-3/1	N	0.1	U	µg/L	2	0.1
			SW8260	MEK (2-Butanone)	78-93-3	N	0.3	U	µg/L	10	0.3
			SW8260	Methyl t-butyl ether (MtBE)	1634-04-4	N	0.06	U	µg/L	5	0.06
			SW8260	Methylene Chloride	75-09-2	N	0.07	U	µg/L	1	0.07
			SW8260	MIBK (methyl isobutyl ketone)	108-10-1	N	0.2	U	µg/L	10	0.2
			SW8260	Naphthalene	91-20-3	N	0.07	U	µg/L	1	0.07
			SW8260	n-Butylbenzene	104-51-8	N	0.06	U	µg/L	1	0.06
			SW8260	n-Propylbenzene	103-65-1	N	0.05	U	µg/L	1	0.05
			SW8260	o-Xylene	95-47-6	N	0.06	U	µg/L	1	0.06
			SW8260	PCE	127-18-4	N	0.08	U	µg/L	1	0.08
			SW8260	p-Isopropyltoluene	99-87-6	N	0.04	U	µg/L	1	0.04
			SW8260	sec-Butylbenzene	135-98-8	N	0.06	U	µg/L	1	0.06
			SW8260	Styrene	100-42-5	N	0.05	U	µg/L	1	0.05
			SW8260	TCE	79-01-6	N	0.07	U	µg/L	1	0.07
			SW8260	Tert-Butylbenzene	98-06-6	N	0.06	U	µg/L	1	0.06
			SW8260	Toluene	108-88-3	N	0.06	U	µg/L	1	0.06
			SW8260	trans-1,2-DCE	156-60-5	N	0.07	U	µg/L	1	0.07
			SW8260	trans-1,3-Dichloropropene	10061-02-6	N	0.05	U	µg/L	1	0.05
			SW8260	Trichlorofluoromethane	75-69-4	N	0.06	U	µg/L	1	0.06
			SW8260	Vinyl Chloride	75-01-4	N	0.09	U	µg/L	1	0.09
	13C006MW	1/21/2005	SW8260	1,1,1,2-Tetrachloroethane	630-20-6	N	0.09	U	µg/L	0.5	0.09
			SW8260	1,1,1-TCA	71-55-6	N	0.11	U	µg/L	1	0.11
			SW8260	1,1,2,2-Tetrachloroethane	79-34-5	N	0.11	U	µg/L	0.5	0.11
			SW8260	1,1,2-TCA	79-00-5	N	0.17	F	µg/L	1	0.14
			SW8260	1,1-DCA	75-34-3	N	0.13	U	µg/L	1	0.13
			SW8260	1,1-DCE	75-35-4	N	0.13	U	µg/L	1	0.13
			SW8260	1,1-Dichloropropene	563-58-6	N	0.07	U	µg/L	1	0.07
			SW8260	1,2,3-Trichlorobenzene	87-61-6	N	0.07	U	µg/L	1	0.07
			SW8260	1,2,3-Trichloropropane	96-18-4	N	0.11	U	µg/L	1	0.11
			SW8260	1,2,4-Trichlorobenzene	120-82-1	N	0.08	U	µg/L	1	0.08

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## Summary of Analytical Data, First Quarter 2005

LTO&M First Quarter 2005 Report, Beale Air Force Base, California

Site	Sample Location	Sample Date	Method	Analyte	CAS No.	QA/QC Type	Result	Flag	Units	Reporting Limit	Method Detection Limit
<b>GTS</b>											
Site 13	13C006MW	1/21/2005	SW8260	1,2,4-Trimethylbenzene	95-63-6	N	0.07	U	µg/L	1	0.07
			SW8260	1,2-DCA	107-06-2	N	0.1	U	µg/L	0.5	0.1
			SW8260	1,2-DCB	95-50-1	N	0.11	U	µg/L	1	0.11
			SW8260	1,2-Dibromo-3-chloropropane	96-12-8	N	0.12	U	µg/L	2	0.12
			SW8260	1,2-Dichloropropane	78-87-5	N	0.12	U	µg/L	1	0.12
			SW8260	1,2-EDB	106-93-4	N	0.09	U	µg/L	1	0.09
			SW8260	1,3,5-Trimethylbenzene	108-67-8	N	0.08	U	µg/L	1	0.08
			SW8260	1,3-DCB	541-73-1	N	0.1	U	µg/L	1	0.1
			SW8260	1,3-Dichloropropane	142-28-9	N	0.09	U	µg/L	0.4	0.09
			SW8260	1,4-DCB	106-46-7	N	0.13	U	µg/L	0.5	0.13
			SW8260	1-Chlorohexane	544-10-5	N	0.06	U	µg/L	1	0.06
			SW8260	2,2-Dichloropropane	594-20-7	N	0.12	U	µg/L	1	0.12
			SW8260	2-Chlorotoluene	95-49-8	N	0.08	U	µg/L	1	0.08
			SW8260	4-Chlorotoluene	106-43-4	N	0.07	U	µg/L	1	0.07
			SW8260	Acetone	67-64-1	N	0.6	U	µg/L	10	0.6
			SW8260	Benzene	71-43-2	N	0.07	U	µg/L	0.4	0.07
			SW8260	Bromobenzene	108-86-1	N	0.11	U	µg/L	1	0.11
			SW8260	Bromochloromethane	74-97-5	N	0.13	U	µg/L	1	0.13
			SW8260	Bromodichloromethane	75-27-4	N	0.12	U	µg/L	0.5	0.12
			SW8260	Bromoform	75-25-2	N	0.08	U	µg/L	1	0.08
			SW8260	Bromomethane	74-83-9	N	0.23	U	µg/L	3	0.23
			SW8260	Carbon Tetrachloride	56-23-5	N	0.08	U	µg/L	1	0.08
			SW8260	Chlorobenzene	108-90-7	N	0.12	U	µg/L	0.5	0.12
			SW8260	Chloroethane	75-00-3	N	0.2	U	µg/L	1	0.2
			SW8260	Chloroform	67-66-3	N	0.13	U	µg/L	0.3	0.13
			SW8260	Chloromethane	74-87-3	N	0.15	U	µg/L	1	0.15
			SW8260	cis-1,2-DCE	156-59-2	N	0.74	F	µg/L	1	0.1
			SW8260	cis-1,3-Dichloropropene	10061-01-5	N	0.1	U	µg/L	0.5	0.1
			SW8260	Dibromochloromethane	124-48-1	N	0.09	U	µg/L	0.5	0.09
			SW8260	Dibromomethane	74-95-3	N	0.11	U	µg/L	1	0.11
			SW8260	Dichlorodifluoromethane	75-71-8	N	0.13	U	µg/L	1	0.13
			SW8260	Ethylbenzene	100-41-4	N	0.08	U	µg/L	1	0.08
			SW8260	Hexachlorobutadiene	87-68-3	N	0.09	U	µg/L	0.6	0.09

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## Summary of Analytical Data, First Quarter 2005

LTO&M First Quarter 2005 Report, Beale Air Force Base, California

Site	Sample Location	Sample Date	Method	Analyte	CAS No.	QA/QC Type	Result	Flag	Units	Reporting Limit	Method Detection Limit
GTS											
Site 13	13C006MW	1/21/2005	SW8260	Isopropylbenzene	98-82-8	N	0.08	U	µg/L	1	0.08
			SW8260	m,p-Xylene	108-38-3/1	N	0.14	U	µg/L	2	0.14
			SW8260	MEK (2-Butanone)	78-93-3	N	10.1		µg/L	10	0.2
			SW8260	Methyl t-butyl ether (MtBE)	1634-04-4	N	0.15	U	µg/L	5	0.15
			SW8260	Methylene Chloride	75-09-2	N	0.2	U	µg/L	1	0.2
			SW8260	MIBK (methyl isobutyl ketone)	108-10-1	N	0.1	U	µg/L	10	0.1
			SW8260	Naphthalene	91-20-3	N	0.05	U	µg/L	1	0.05
			SW8260	n-Butylbenzene	104-51-8	N	0.09	U	µg/L	1	0.09
			SW8260	n-Propylbenzene	103-65-1	N	0.08	U	µg/L	1	0.08
			SW8260	o-Xylene	95-47-6	N	0.09	U	µg/L	1	0.09
			SW8260	PCE	127-18-4	N	0.25	F	µg/L	1	0.07
			SW8260	p-Isopropyltoluene	99-87-6	N	0.09	U	µg/L	1	0.09
			SW8260	sec-Butylbenzene	135-98-8	N	0.07	U	µg/L	1	0.07
			SW8260	Styrene	100-42-5	N	0.08	U	µg/L	1	0.08
			SW8260	TCE	79-01-6	N	18.8		µg/L	1	0.1
			SW8260	Tert-Butylbenzene	98-06-6	N	0.07	U	µg/L	1	0.07
			SW8260	Toluene	108-88-3	N	0.08	U	µg/L	1	0.08
			SW8260	trans-1,2-DCE	156-60-5	N	0.28	F	µg/L	1	0.09
			SW8260	trans-1,3-Dichloropropene	10061-02-6	N	0.07	U	µg/L	1	0.07
			SW8260	Trichlorofluoromethane	75-69-4	N	0.17	U	µg/L	1	0.17
			SW8260	Vinyl Chloride	75-01-4	N	0.21	U	µg/L	1	0.21
	13C011EW		SW8260	1,1,1,2-Tetrachloroethane	630-20-6	N	0.09	U	µg/L	0.5	0.09
			SW8260	1,1,1-TCA	71-55-6	N	0.11	U	µg/L	1	0.11
			SW8260	1,1,2,2-Tetrachloroethane	79-34-5	N	0.11	U	µg/L	0.5	0.11
			SW8260	1,1,2-TCA	79-00-5	N	0.14	U	µg/L	1	0.14
			SW8260	1,1-DCA	75-34-3	N	0.13	U	µg/L	1	0.13
			SW8260	1,1-DCE	75-35-4	N	0.13	U	µg/L	1	0.13
			SW8260	1,1-Dichloropropene	563-58-6	N	0.07	U	µg/L	1	0.07
			SW8260	1,2,3-Trichlorobenzene	87-61-6	N	0.07	U	µg/L	1	0.07
			SW8260	1,2,3-Trichloropropane	96-18-4	N	0.11	U	µg/L	1	0.11
			SW8260	1,2,4-Trichlorobenzene	120-82-1	N	0.08	U	µg/L	1	0.08
			SW8260	1,2,4-Trimethylbenzene	95-63-6	N	0.07	U	µg/L	1	0.07
			SW8260	1,2-DCA	107-06-2	N	0.1	U	µg/L	0.5	0.1

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Site	Sample Location	Sample Date	Method	Analyte	CAS No.	QA/QC Type	Result	Flag	Units	Reporting Limit	Method Detection Limit
<b>GTS</b>											
Site 13	13C011EW	1/21/2005	SW8260	1,2-DCB	95-50-1	N	0.11	U	µg/L	1	0.11
			SW8260	1,2-Dibromo-3-chloropropane	96-12-8	N	0.12	U	µg/L	2	0.12
			SW8260	1,2-Dichloropropane	78-87-5	N	0.12	U	µg/L	1	0.12
			SW8260	1,2-EDB	106-93-4	N	0.09	U	µg/L	1	0.09
			SW8260	1,3,5-Trimethylbenzene	108-67-8	N	0.08	U	µg/L	1	0.08
			SW8260	1,3-DCB	541-73-1	N	0.1	U	µg/L	1	0.1
			SW8260	1,3-Dichloropropane	142-28-9	N	0.09	U	µg/L	0.4	0.09
			SW8260	1,4-DCB	106-46-7	N	0.13	U	µg/L	0.5	0.13
			SW8260	1-Chlorohexane	544-10-5	N	0.06	U	µg/L	1	0.06
			SW8260	2,2-Dichloropropane	594-20-7	N	0.12	U	µg/L	1	0.12
			SW8260	2-Chlorotoluene	95-49-8	N	0.08	U	µg/L	1	0.08
			SW8260	4-Chlorotoluene	106-43-4	N	0.07	U	µg/L	1	0.07
			SW8260	Acetone	67-64-1	N	0.6	U	µg/L	10	0.6
			SW8260	Benzene	71-43-2	N	0.07	U	µg/L	0.4	0.07
			SW8260	Bromobenzene	108-86-1	N	0.11	U	µg/L	1	0.11
			SW8260	Bromochloromethane	74-97-5	N	0.13	U	µg/L	1	0.13
			SW8260	Bromodichloromethane	75-27-4	N	0.12	U	µg/L	0.5	0.12
			SW8260	Bromoform	75-25-2	N	0.08	U	µg/L	1	0.08
			SW8260	Bromomethane	74-83-9	N	0.23	U	µg/L	3	0.23
			SW8260	Carbon Tetrachloride	56-23-5	N	0.08	U	µg/L	1	0.08
			SW8260	Chlorobenzene	108-90-7	N	0.12	U	µg/L	0.5	0.12
			SW8260	Chloroethane	75-00-3	N	0.2	U	µg/L	1	0.2
			SW8260	Chloroform	67-66-3	N	0.13	U	µg/L	0.3	0.13
			SW8260	Chloromethane	74-87-3	N	0.15	U	µg/L	1	0.15
			SW8260	cis-1,2-DCE	156-59-2	N	0.17	F	µg/L	1	0.1
			SW8260	cis-1,3-Dichloropropene	10061-01-5	N	0.1	U	µg/L	0.5	0.1
			SW8260	Dibromochloromethane	124-48-1	N	0.09	U	µg/L	0.5	0.09
			SW8260	Dibromomethane	74-95-3	N	0.11	U	µg/L	1	0.11
			SW8260	Dichlorodifluoromethane	75-71-8	N	0.13	U	µg/L	1	0.13
			SW8260	Ethylbenzene	100-41-4	N	0.08	U	µg/L	1	0.08
			SW8260	Hexachlorobutadiene	87-68-3	N	0.09	U	µg/L	0.6	0.09
			SW8260	Isopropylbenzene	98-82-8	N	0.08	U	µg/L	1	0.08
			SW8260	m,p-Xylene	108-38-3/1	N	0.14	U	µg/L	2	0.14

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Site	Sample Location	Sample Date	Method	Analyte	CAS No.	QA/QC Type	Result	Flag	Units	Reporting Limit	Method Detection Limit
GTS											
Site 13	13C011EW	1/21/2005	SW8260	MEK (2-Butanone)	78-93-3	N	0.2	U	µg/L	10	0.2
			SW8260	Methyl t-butyl ether (MtBE)	1634-04-4	N	0.15	U	µg/L	5	0.15
			SW8260	Methylene Chloride	75-09-2	N	0.2	U	µg/L	1	0.2
			SW8260	MIBK (methyl isobutyl ketone)	108-10-1	N	0.1	U	µg/L	10	0.1
			SW8260	Naphthalene	91-20-3	N	0.05	U	µg/L	1	0.05
			SW8260	n-Butylbenzene	104-51-8	N	0.09	U	µg/L	1	0.09
			SW8260	n-Propylbenzene	103-65-1	N	0.08	U	µg/L	1	0.08
			SW8260	o-Xylene	95-47-6	N	0.09	U	µg/L	1	0.09
			SW8260	PCE	127-18-4	N	0.07	U	µg/L	1	0.07
			SW8260	p-Isopropyltoluene	99-87-6	N	0.09	U	µg/L	1	0.09
			SW8260	sec-Butylbenzene	135-98-8	N	0.07	U	µg/L	1	0.07
			SW8260	Styrene	100-42-5	N	0.08	U	µg/L	1	0.08
			SW8260	TCE	79-01-6	N	5.87		µg/L	1	0.1
			SW8260	Tert-Butylbenzene	98-06-6	N	0.07	U	µg/L	1	0.07
			SW8260	Toluene	108-88-3	N	0.08	U	µg/L	1	0.08
			SW8260	trans-1,2-DCE	156-60-5	N	0.14	F	µg/L	1	0.09
			SW8260	trans-1,3-Dichloropropene	10061-02-6	N	0.07	U	µg/L	1	0.07
			SW8260	Trichlorofluoromethane	75-69-4	N	0.17	U	µg/L	1	0.17
			SW8260	Vinyl Chloride	75-01-4	N	0.21	U	µg/L	1	0.21
	13L001EW		SW8260	1,1,1,2-Tetrachloroethane	630-20-6	N	0.09	U	µg/L	0.5	0.09
			SW8260	1,1,1-TCA	71-55-6	N	0.11	U	µg/L	1	0.11
			SW8260	1,1,2,2-Tetrachloroethane	79-34-5	N	0.11	U	µg/L	0.5	0.11
			SW8260	1,1,2-TCA	79-00-5	N	1.7		µg/L	1	0.14
			SW8260	1,1-DCA	75-34-3	N	0.13	U	µg/L	1	0.13
			SW8260	1,1-DCE	75-35-4	N	0.13	U	µg/L	1	0.13
			SW8260	1,1-Dichloropropene	563-58-6	N	0.07	U	µg/L	1	0.07
			SW8260	1,2,3-Trichlorobenzene	87-61-6	N	0.07	U	µg/L	1	0.07
			SW8260	1,2,3-Trichloropropane	96-18-4	N	0.11	U	µg/L	1	0.11
			SW8260	1,2,4-Trichlorobenzene	120-82-1	N	0.08	U	µg/L	1	0.08
			SW8260	1,2,4-Trimethylbenzene	95-63-6	N	0.07	U	µg/L	1	0.07
			SW8260	1,2-DCA	107-06-2	N	0.1	U	µg/L	0.5	0.1
			SW8260	1,2-DCB	95-50-1	N	0.11	U	µg/L	1	0.11
			SW8260	1,2-Dibromo-3-chloropropane	96-12-8	N	0.12	U	µg/L	2	0.12

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Site	Sample Location	Sample Date	Method	Analyte	CAS No.	QA/QC Type	Result	Flag	Units	Reporting Limit	Method Detection Limit
<b>GTS</b>											
Site 13	13L001EW	1/21/2005	SW8260	1,2-Dichloropropane	78-87-5	N	0.12	U	µg/L	1	0.12
			SW8260	1,2-EDB	106-93-4	N	0.09	U	µg/L	1	0.09
			SW8260	1,3,5-Trimethylbenzene	108-67-8	N	0.08	U	µg/L	1	0.08
			SW8260	1,3-DCB	541-73-1	N	0.1	U	µg/L	1	0.1
			SW8260	1,3-Dichloropropane	142-28-9	N	0.09	U	µg/L	0.4	0.09
			SW8260	1,4-DCB	106-46-7	N	0.13	U	µg/L	0.5	0.13
			SW8260	1-Chlorohexane	544-10-5	N	0.06	U	µg/L	1	0.06
			SW8260	2,2-Dichloropropane	594-20-7	N	0.12	U	µg/L	1	0.12
			SW8260	2-Chlorotoluene	95-49-8	N	0.08	U	µg/L	1	0.08
			SW8260	4-Chlorotoluene	106-43-4	N	0.07	U	µg/L	1	0.07
			SW8260	Acetone	67-64-1	N	1.4	F	µg/L	10	0.6
			SW8260	Benzene	71-43-2	N	0.07	U	µg/L	0.4	0.07
			SW8260	Bromobenzene	108-86-1	N	0.11	U	µg/L	1	0.11
			SW8260	Bromochloromethane	74-97-5	N	0.13	U	µg/L	1	0.13
			SW8260	Bromodichloromethane	75-27-4	N	0.12	U	µg/L	0.5	0.12
			SW8260	Bromoform	75-25-2	N	0.08	U	µg/L	1	0.08
			SW8260	Bromomethane	74-83-9	N	0.23	U	µg/L	3	0.23
			SW8260	Carbon Tetrachloride	56-23-5	N	0.08	U	µg/L	1	0.08
			SW8260	Chlorobenzene	108-90-7	N	0.12	U	µg/L	0.5	0.12
			SW8260	Chloroethane	75-00-3	N	0.2	U	µg/L	1	0.2
			SW8260	Chloroform	67-66-3	N	0.36		µg/L	0.3	0.13
			SW8260	Chloromethane	74-87-3	N	0.15	U	µg/L	1	0.15
			SW8260	cis-1,2-DCE	156-59-2	N	7.8		µg/L	1	0.1
			SW8260	cis-1,3-Dichloropropene	10061-01-5	N	0.1	U	µg/L	0.5	0.1
			SW8260	Dibromochloromethane	124-48-1	N	0.09	U	µg/L	0.5	0.09
			SW8260	Dibromomethane	74-95-3	N	0.11	U	µg/L	1	0.11
			SW8260	Dichlorodifluoromethane	75-71-8	N	0.13	U	µg/L	1	0.13
			SW8260	Ethylbenzene	100-41-4	N	0.08	U	µg/L	1	0.08
			SW8260	Hexachlorobutadiene	87-68-3	N	0.09	U	µg/L	0.6	0.09
			SW8260	Isopropylbenzene	98-82-8	N	0.08	U	µg/L	1	0.08
			SW8260	m,p-Xylene	108-38-3/1	N	0.14	U	µg/L	2	0.14
			SW8260	MEK (2-Butanone)	78-93-3	N	0.2	U	µg/L	10	0.2
			SW8260	Methyl t-butyl ether (MtBE)	1634-04-4	N	0.15	U	µg/L	5	0.15

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Site	Sample Location	Sample Date	Method	Analyte	CAS No.	QA/QC Type	Result	Flag	Units	Reporting Limit	Method Detection Limit
GTS											
Site 13	13L001EW	1/21/2005	SW8260	Methylene Chloride	75-09-2	N	0.2	U	µg/L	1	0.2
			SW8260	MIBK (methyl isobutyl ketone)	108-10-1	N	0.1	U	µg/L	10	0.1
			SW8260	Naphthalene	91-20-3	N	0.05	U	µg/L	1	0.05
			SW8260	n-Butylbenzene	104-51-8	N	0.09	U	µg/L	1	0.09
			SW8260	n-Propylbenzene	103-65-1	N	0.08	U	µg/L	1	0.08
			SW8260	o-Xylene	95-47-6	N	0.09	U	µg/L	1	0.09
			SW8260	PCE	127-18-4	N	2.31		µg/L	1	0.07
			SW8260	p-Isopropyltoluene	99-87-6	N	0.09	U	µg/L	1	0.09
			SW8260	sec-Butylbenzene	135-98-8	N	0.07	U	µg/L	1	0.07
			SW8260	Styrene	100-42-5	N	0.08	U	µg/L	1	0.08
			SW8260	TCE	79-01-6	N	164		µg/L	10	0.99
			SW8260	Tert-Butylbenzene	98-06-6	N	0.07	U	µg/L	1	0.07
			SW8260	Toluene	108-88-3	N	0.08	U	µg/L	1	0.08
			SW8260	trans-1,2-DCE	156-60-5	N	2.88		µg/L	1	0.09
	SW8260		trans-1,3-Dichloropropene	10061-02-6	N	0.07	U	µg/L	1	0.07	
	13L004EW		SW8260	Trichlorofluoromethane	75-69-4	N	0.17	U	µg/L	1	0.17
			SW8260	Vinyl Chloride	75-01-4	N	0.21	U	µg/L	1	0.21
			SW8260	1,1,1,2-Tetrachloroethane	630-20-6	N	0.09	U	µg/L	0.5	0.09
			SW8260	1,1,1-TCA	71-55-6	N	0.11	U	µg/L	1	0.11
			SW8260	1,1,2,2-Tetrachloroethane	79-34-5	N	0.11	U	µg/L	0.5	0.11
			SW8260	1,1,2-TCA	79-00-5	N	0.16	F	µg/L	1	0.14
			SW8260	1,1-DCA	75-34-3	N	0.13	U	µg/L	1	0.13
			SW8260	1,1-DCE	75-35-4	N	0.13	U	µg/L	1	0.13
			SW8260	1,1-Dichloropropene	563-58-6	N	0.07	U	µg/L	1	0.07
			SW8260	1,2,3-Trichlorobenzene	87-61-6	N	0.07	U	µg/L	1	0.07
			SW8260	1,2,3-Trichloropropane	96-18-4	N	0.11	U	µg/L	1	0.11
			SW8260	1,2,4-Trichlorobenzene	120-82-1	N	0.08	U	µg/L	1	0.08
			SW8260	1,2,4-Trimethylbenzene	95-63-6	N	0.07	U	µg/L	1	0.07
			SW8260	1,2-DCA	107-06-2	N	0.1	U	µg/L	0.5	0.1
			SW8260	1,2-DCB	95-50-1	N	0.11	U	µg/L	1	0.11
			SW8260	1,2-Dibromo-3-chloropropane	96-12-8	N	0.12	U	µg/L	2	0.12
			SW8260	1,2-Dichloropropane	78-87-5	N	0.12	U	µg/L	1	0.12
			SW8260	1,2-EDB	106-93-4	N	0.09	U	µg/L	1	0.09

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## Summary of Analytical Data, First Quarter 2005

LTO&M First Quarter 2005 Report, Beale Air Force Base, California

Site	Sample Location	Sample Date	Method	Analyte	CAS No.	QA/QC Type	Result	Flag	Units	Reporting Limit	Method Detection Limit
<b>GTS</b>											
Site 13	13L004EW	1/21/2005	SW8260	1,3,5-Trimethylbenzene	108-67-8	N	0.08	U	µg/L	1	0.08
			SW8260	1,3-DCB	541-73-1	N	0.1	U	µg/L	1	0.1
			SW8260	1,3-Dichloropropane	142-28-9	N	0.09	U	µg/L	0.4	0.09
			SW8260	1,4-DCB	106-46-7	N	0.13	U	µg/L	0.5	0.13
			SW8260	1-Chlorohexane	544-10-5	N	0.06	U	µg/L	1	0.06
			SW8260	2,2-Dichloropropane	594-20-7	N	0.12	U	µg/L	1	0.12
			SW8260	2-Chlorotoluene	95-49-8	N	0.08	U	µg/L	1	0.08
			SW8260	4-Chlorotoluene	106-43-4	N	0.07	U	µg/L	1	0.07
			SW8260	Acetone	67-64-1	N	0.6	U	µg/L	10	0.6
			SW8260	Benzene	71-43-2	N	0.07	U	µg/L	0.4	0.07
			SW8260	Bromobenzene	108-86-1	N	0.11	U	µg/L	1	0.11
			SW8260	Bromochloromethane	74-97-5	N	0.13	U	µg/L	1	0.13
			SW8260	Bromodichloromethane	75-27-4	N	0.12	U	µg/L	0.5	0.12
			SW8260	Bromoform	75-25-2	N	0.08	U	µg/L	1	0.08
			SW8260	Bromomethane	74-83-9	N	0.23	U	µg/L	3	0.23
			SW8260	Carbon Tetrachloride	56-23-5	N	0.08	U	µg/L	1	0.08
			SW8260	Chlorobenzene	108-90-7	N	0.12	U	µg/L	0.5	0.12
			SW8260	Chloroethane	75-00-3	N	0.2	U	µg/L	1	0.2
			SW8260	Chloroform	67-66-3	N	0.19	F	µg/L	0.3	0.13
			SW8260	Chloromethane	74-87-3	N	0.15	U	µg/L	1	0.15
			SW8260	cis-1,2-DCE	156-59-2	N	1.48		µg/L	1	0.1
			SW8260	cis-1,3-Dichloropropene	10061-01-5	N	0.1	U	µg/L	0.5	0.1
			SW8260	Dibromochloromethane	124-48-1	N	0.09	U	µg/L	0.5	0.09
			SW8260	Dibromomethane	74-95-3	N	0.11	U	µg/L	1	0.11
			SW8260	Dichlorodifluoromethane	75-71-8	N	0.13	U	µg/L	1	0.13
			SW8260	Ethylbenzene	100-41-4	N	0.08	U	µg/L	1	0.08
			SW8260	Hexachlorobutadiene	87-68-3	N	0.09	U	µg/L	0.6	0.09
			SW8260	Isopropylbenzene	98-82-8	N	0.08	U	µg/L	1	0.08
			SW8260	m,p-Xylene	108-38-3/1	N	0.14	U	µg/L	2	0.14
			SW8260	MEK (2-Butanone)	78-93-3	N	0.2	U	µg/L	10	0.2
			SW8260	Methyl t-butyl ether (MtBE)	1634-04-4	N	0.15	U	µg/L	5	0.15
			SW8260	Methylene Chloride	75-09-2	N	0.2	U	µg/L	1	0.2
			SW8260	MIBK (methyl isobutyl ketone)	108-10-1	N	0.1	U	µg/L	10	0.1

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## Summary of Analytical Data, First Quarter 2005

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Site	Sample Location	Sample Date	Method	Analyte	CAS No.	QA/QC Type	Result	Flag	Units	Reporting Limit	Method Detection Limit
GTS											
Site 13	13L004EW	1/21/2005	SW8260	Naphthalene	91-20-3	N	0.05	U	µg/L	1	0.05
			SW8260	n-Butylbenzene	104-51-8	N	0.09	U	µg/L	1	0.09
			SW8260	n-Propylbenzene	103-65-1	N	0.08	U	µg/L	1	0.08
			SW8260	o-Xylene	95-47-6	N	0.09	U	µg/L	1	0.09
			SW8260	PCE	127-18-4	N	0.55	F	µg/L	1	0.07
			SW8260	p-Isopropyltoluene	99-87-6	N	0.09	U	µg/L	1	0.09
			SW8260	sec-Butylbenzene	135-98-8	N	0.07	U	µg/L	1	0.07
			SW8260	Styrene	100-42-5	N	0.08	U	µg/L	1	0.08
			SW8260	TCE	79-01-6	N	29.4		µg/L	1	0.1
			SW8260	Tert-Butylbenzene	98-06-6	N	0.07	U	µg/L	1	0.07
			SW8260	Toluene	108-88-3	N	0.08	U	µg/L	1	0.08
			SW8260	trans-1,2-DCE	156-60-5	N	1.01		µg/L	1	0.09
			SW8260	trans-1,3-Dichloropropene	10061-02-6	N	0.07	U	µg/L	1	0.07
			SW8260	Trichlorofluoromethane	75-69-4	N	0.17	U	µg/L	1	0.17
	13L004MW		SW8260	Vinyl Chloride	75-01-4	N	0.21	U	µg/L	1	0.21
			SW8260	1,1,1,2-Tetrachloroethane	630-20-6	N	0.09	U	µg/L	0.5	0.09
			SW8260	1,1,1-TCA	71-55-6	N	0.11	U	µg/L	1	0.11
			SW8260	1,1,2,2-Tetrachloroethane	79-34-5	N	0.11	U	µg/L	0.5	0.11
			SW8260	1,1,2-TCA	79-00-5	N	2.4		µg/L	1	0.14
			SW8260	1,1-DCA	75-34-3	N	0.13	U	µg/L	1	0.13
			SW8260	1,1-DCE	75-35-4	N	0.13	U	µg/L	1	0.13
			SW8260	1,1-Dichloropropene	563-58-6	N	0.07	U	µg/L	1	0.07
			SW8260	1,2,3-Trichlorobenzene	87-61-6	N	0.07	U	µg/L	1	0.07
			SW8260	1,2,3-Trichloropropane	96-18-4	N	0.11	U	µg/L	1	0.11
			SW8260	1,2,4-Trichlorobenzene	120-82-1	N	0.08	U	µg/L	1	0.08
			SW8260	1,2,4-Trimethylbenzene	95-63-6	N	0.07	U	µg/L	1	0.07
			SW8260	1,2-DCA	107-06-2	N	0.1	U	µg/L	0.5	0.1
			SW8260	1,2-DCB	95-50-1	N	0.11	U	µg/L	1	0.11
			SW8260	1,2-Dibromo-3-chloropropane	96-12-8	N	0.12	U	µg/L	2	0.12
			SW8260	1,2-Dichloropropane	78-87-5	N	0.12	U	µg/L	1	0.12
			SW8260	1,2-EDB	106-93-4	N	0.09	U	µg/L	1	0.09
			SW8260	1,3,5-Trimethylbenzene	108-67-8	N	0.08	U	µg/L	1	0.08
			SW8260	1,3-DCB	541-73-1	N	0.1	U	µg/L	1	0.1

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## Summary of Analytical Data, First Quarter 2005

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Site	Sample Location	Sample Date	Method	Analyte	CAS No.	QA/QC Type	Result	Flag	Units	Reporting Limit	Method Detection Limit
<b>GTS</b>											
Site 13	13L004MW	1/21/2005	SW8260	1,3-Dichloropropane	142-28-9	N	0.09	U	µg/L	0.4	0.09
			SW8260	1,4-DCB	106-46-7	N	0.13	U	µg/L	0.5	0.13
			SW8260	1-Chlorohexane	544-10-5	N	0.06	U	µg/L	1	0.06
			SW8260	2,2-Dichloropropane	594-20-7	N	0.12	U	µg/L	1	0.12
			SW8260	2-Chlorotoluene	95-49-8	N	0.08	U	µg/L	1	0.08
			SW8260	4-Chlorotoluene	106-43-4	N	0.07	U	µg/L	1	0.07
			SW8260	Acetone	67-64-1	N	1.4	F	µg/L	10	0.6
			SW8260	Benzene	71-43-2	N	0.07	U	µg/L	0.4	0.07
			SW8260	Bromobenzene	108-86-1	N	0.11	U	µg/L	1	0.11
			SW8260	Bromochloromethane	74-97-5	N	0.13	U	µg/L	1	0.13
			SW8260	Bromodichloromethane	75-27-4	N	0.12	U	µg/L	0.5	0.12
			SW8260	Bromoform	75-25-2	N	0.08	U	µg/L	1	0.08
			SW8260	Bromomethane	74-83-9	N	0.23	U	µg/L	3	0.23
			SW8260	Carbon Tetrachloride	56-23-5	N	0.08	U	µg/L	1	0.08
			SW8260	Chlorobenzene	108-90-7	N	0.12	U	µg/L	0.5	0.12
			SW8260	Chloroethane	75-00-3	N	0.2	U	µg/L	1	0.2
			SW8260	Chloroform	67-66-3	N	0.42		µg/L	0.3	0.13
			SW8260	Chloromethane	74-87-3	N	0.15	U	µg/L	1	0.15
			SW8260	cis-1,2-DCE	156-59-2	N	8.79		µg/L	1	0.1
			SW8260	cis-1,3-Dichloropropene	10061-01-5	N	0.1	U	µg/L	0.5	0.1
			SW8260	Dibromochloromethane	124-48-1	N	0.09	U	µg/L	0.5	0.09
			SW8260	Dibromomethane	74-95-3	N	0.11	U	µg/L	1	0.11
			SW8260	Dichlorodifluoromethane	75-71-8	N	0.13	U	µg/L	1	0.13
			SW8260	Ethylbenzene	100-41-4	N	0.08	U	µg/L	1	0.08
			SW8260	Hexachlorobutadiene	87-68-3	N	0.09	U	µg/L	0.6	0.09
			SW8260	Isopropylbenzene	98-82-8	N	0.08	U	µg/L	1	0.08
			SW8260	m,p-Xylene	108-38-3/1	N	0.14	U	µg/L	2	0.14
			SW8260	MEK (2-Butanone)	78-93-3	N	0.2	U	µg/L	10	0.2
			SW8260	Methyl t-butyl ether (MtBE)	1634-04-4	N	0.15	U	µg/L	5	0.15
			SW8260	Methylene Chloride	75-09-2	N	0.2	U	µg/L	1	0.2
			SW8260	MIBK (methyl isobutyl ketone)	108-10-1	N	0.1	U	µg/L	10	0.1
			SW8260	Naphthalene	91-20-3	N	0.05	U	µg/L	1	0.05
			SW8260	n-Butylbenzene	104-51-8	N	0.09	U	µg/L	1	0.09

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Site	Sample Location	Sample Date	Method	Analyte	CAS No.	QA/QC Type	Result	Flag	Units	Reporting Limit	Method Detection Limit
GTS											
Site 13	13L004MW	1/21/2005	SW8260	n-Propylbenzene	103-65-1	N	0.08	U	µg/L	1	0.08
			SW8260	o-Xylene	95-47-6	N	0.09	U	µg/L	1	0.09
			SW8260	PCE	127-18-4	N	3.15		µg/L	1	0.07
			SW8260	p-Isopropyltoluene	99-87-6	N	0.09	U	µg/L	1	0.09
			SW8260	sec-Butylbenzene	135-98-8	N	0.07	U	µg/L	1	0.07
			SW8260	Styrene	100-42-5	N	0.08	U	µg/L	1	0.08
			SW8260	TCE	79-01-6	N	200		µg/L	10	0.99
			SW8260	Tert-Butylbenzene	98-06-6	N	0.07	U	µg/L	1	0.07
			SW8260	Toluene	108-88-3	N	0.08	U	µg/L	1	0.08
			SW8260	trans-1,2-DCE	156-60-5	N	3.36		µg/L	1	0.09
			SW8260	trans-1,3-Dichloropropene	10061-02-6	N	0.07	U	µg/L	1	0.07
			SW8260	Trichlorofluoromethane	75-69-4	N	0.17	U	µg/L	1	0.17
			SW8260	Vinyl Chloride	75-01-4	N	0.21	U	µg/L	1	0.21
	13L005MW		SW8260	1,1,1,2-Tetrachloroethane	630-20-6	N	0.09	U	µg/L	0.5	0.09
			SW8260	1,1,1-TCA	71-55-6	N	0.11	U	µg/L	1	0.11
			SW8260	1,1,2,2-Tetrachloroethane	79-34-5	N	0.11	U	µg/L	0.5	0.11
			SW8260	1,1,2-TCA	79-00-5	N	0.87	F	µg/L	1	0.14
			SW8260	1,1-DCA	75-34-3	N	0.13	U	µg/L	1	0.13
			SW8260	1,1-DCE	75-35-4	N	0.13	U	µg/L	1	0.13
			SW8260	1,1-Dichloropropene	563-58-6	N	0.07	U	µg/L	1	0.07
			SW8260	1,2,3-Trichlorobenzene	87-61-6	N	0.07	U	µg/L	1	0.07
			SW8260	1,2,3-Trichloropropane	96-18-4	N	0.11	U	µg/L	1	0.11
			SW8260	1,2,4-Trichlorobenzene	120-82-1	N	0.08	U	µg/L	1	0.08
			SW8260	1,2,4-Trimethylbenzene	95-63-6	N	0.07	U	µg/L	1	0.07
			SW8260	1,2-DCA	107-06-2	N	0.1	U	µg/L	0.5	0.1
			SW8260	1,2-DCB	95-50-1	N	0.11	U	µg/L	1	0.11
			SW8260	1,2-Dibromo-3-chloropropane	96-12-8	N	0.12	U	µg/L	2	0.12
			SW8260	1,2-Dichloropropane	78-87-5	N	0.12	U	µg/L	1	0.12
			SW8260	1,2-EDB	106-93-4	N	0.09	U	µg/L	1	0.09
			SW8260	1,3,5-Trimethylbenzene	108-67-8	N	0.08	U	µg/L	1	0.08
			SW8260	1,3-DCB	541-73-1	N	0.1	U	µg/L	1	0.1
			SW8260	1,3-Dichloropropane	142-28-9	N	0.09	U	µg/L	0.4	0.09
			SW8260	1,4-DCB	106-46-7	N	0.13	U	µg/L	0.5	0.13

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Site	Sample Location	Sample Date	Method	Analyte	CAS No.	QA/QC Type	Result	Flag	Units	Reporting Limit	Method Detection Limit
<b>GTS</b>											
Site 13	13L005MW	1/21/2005	SW8260	1-Chlorohexane	544-10-5	N	0.06	U	µg/L	1	0.06
			SW8260	2,2-Dichloropropane	594-20-7	N	0.12	U	µg/L	1	0.12
			SW8260	2-Chlorotoluene	95-49-8	N	0.08	U	µg/L	1	0.08
			SW8260	4-Chlorotoluene	106-43-4	N	0.07	U	µg/L	1	0.07
			SW8260	Acetone	67-64-1	N	0.6	U	µg/L	10	0.6
			SW8260	Benzene	71-43-2	N	0.07	U	µg/L	0.4	0.07
			SW8260	Bromobenzene	108-86-1	N	0.11	U	µg/L	1	0.11
			SW8260	Bromochloromethane	74-97-5	N	0.13	U	µg/L	1	0.13
			SW8260	Bromodichloromethane	75-27-4	N	0.12	U	µg/L	0.5	0.12
			SW8260	Bromoform	75-25-2	N	0.08	U	µg/L	1	0.08
			SW8260	Bromomethane	74-83-9	N	0.23	U	µg/L	3	0.23
			SW8260	Carbon Tetrachloride	56-23-5	N	0.08	U	µg/L	1	0.08
			SW8260	Chlorobenzene	108-90-7	N	0.12	U	µg/L	0.5	0.12
			SW8260	Chloroethane	75-00-3	N	0.2	U	µg/L	1	0.2
			SW8260	Chloroform	67-66-3	N	0.38		µg/L	0.3	0.13
			SW8260	Chloromethane	74-87-3	N	0.15	U	µg/L	1	0.15
			SW8260	cis-1,2-DCE	156-59-2	N	4.62		µg/L	1	0.1
			SW8260	cis-1,3-Dichloropropene	10061-01-5	N	0.1	U	µg/L	0.5	0.1
			SW8260	Dibromochloromethane	124-48-1	N	0.09	U	µg/L	0.5	0.09
			SW8260	Dibromomethane	74-95-3	N	0.11	U	µg/L	1	0.11
			SW8260	Dichlorodifluoromethane	75-71-8	N	0.13	U	µg/L	1	0.13
			SW8260	Ethylbenzene	100-41-4	N	0.08	U	µg/L	1	0.08
			SW8260	Hexachlorobutadiene	87-68-3	N	0.09	U	µg/L	0.6	0.09
			SW8260	Isopropylbenzene	98-82-8	N	0.08	U	µg/L	1	0.08
			SW8260	m,p-Xylene	108-38-3/1	N	0.14	U	µg/L	2	0.14
			SW8260	MEK (2-Butanone)	78-93-3	N	0.2	U	µg/L	10	0.2
			SW8260	Methyl t-butyl ether (MtBE)	1634-04-4	N	0.15	U	µg/L	5	0.15
			SW8260	Methylene Chloride	75-09-2	N	0.2	U	µg/L	1	0.2
			SW8260	MIBK (methyl isobutyl ketone)	108-10-1	N	0.1	U	µg/L	10	0.1
			SW8260	Naphthalene	91-20-3	N	0.05	U	µg/L	1	0.05
			SW8260	n-Butylbenzene	104-51-8	N	0.09	U	µg/L	1	0.09
			SW8260	n-Propylbenzene	103-65-1	N	0.08	U	µg/L	1	0.08
			SW8260	o-Xylene	95-47-6	N	0.09	U	µg/L	1	0.09

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Site	Sample Location	Sample Date	Method	Analyte	CAS No.	QA/QC Type	Result	Flag	Units	Reporting Limit	Method Detection Limit
GTS											
Site 13	13L005MW	1/21/2005	SW8260	PCE	127-18-4	N	1.31		µg/L	1	0.07
			SW8260	p-Isopropyltoluene	99-87-6	N	0.09	U	µg/L	1	0.09
			SW8260	sec-Butylbenzene	135-98-8	N	0.07	U	µg/L	1	0.07
			SW8260	Styrene	100-42-5	N	0.08	U	µg/L	1	0.08
			SW8260	TCE	79-01-6	N	89.1		µg/L	1	0.1
			SW8260	Tert-Butylbenzene	98-06-6	N	0.07	U	µg/L	1	0.07
			SW8260	Toluene	108-88-3	N	0.08	U	µg/L	1	0.08
			SW8260	trans-1,2-DCE	156-60-5	N	2.11		µg/L	1	0.09
			SW8260	trans-1,3-Dichloropropene	10061-02-6	N	0.07	U	µg/L	1	0.07
			SW8260	Trichlorofluoromethane	75-69-4	N	0.17	U	µg/L	1	0.17
	13L011MW		SW8260	Vinyl Chloride	75-01-4	N	0.21	U	µg/L	1	0.21
			SW8260	1,1,1,2-Tetrachloroethane	630-20-6	FD	0.1	F	µg/L	0.5	0.09
			SW8260	1,1,1,2-Tetrachloroethane	630-20-6	N	0.1	F	µg/L	0.5	0.09
			SW8260	1,1,1-TCA	71-55-6	FD	0.11	U	µg/L	1	0.11
			SW8260	1,1,1-TCA	71-55-6	N	0.11	U	µg/L	1	0.11
			SW8260	1,1,2,2-Tetrachloroethane	79-34-5	FD	0.11	U	µg/L	0.5	0.11
			SW8260	1,1,2,2-Tetrachloroethane	79-34-5	N	0.11	U	µg/L	0.5	0.11
			SW8260	1,1,2-TCA	79-00-5	FD	5.26		µg/L	1	0.14
			SW8260	1,1,2-TCA	79-00-5	N	5.28		µg/L	1	0.14
			SW8260	1,1-DCA	75-34-3	N	0.13	U	µg/L	1	0.13
			SW8260	1,1-DCA	75-34-3	FD	0.13	U	µg/L	1	0.13
			SW8260	1,1-DCE	75-35-4	FD	0.13	U	µg/L	1	0.13
			SW8260	1,1-DCE	75-35-4	N	0.13	U	µg/L	1	0.13
			SW8260	1,1-Dichloropropene	563-58-6	FD	0.07	U	µg/L	1	0.07
			SW8260	1,1-Dichloropropene	563-58-6	N	0.07	U	µg/L	1	0.07
			SW8260	1,2,3-Trichlorobenzene	87-61-6	FD	0.07	U	µg/L	1	0.07
			SW8260	1,2,3-Trichlorobenzene	87-61-6	N	0.07	U	µg/L	1	0.07
			SW8260	1,2,3-Trichloropropane	96-18-4	FD	0.11	U	µg/L	1	0.11
			SW8260	1,2,3-Trichloropropane	96-18-4	N	0.11	U	µg/L	1	0.11
			SW8260	1,2,4-Trichlorobenzene	120-82-1	FD	0.08	U	µg/L	1	0.08
			SW8260	1,2,4-Trichlorobenzene	120-82-1	N	0.08	U	µg/L	1	0.08
			SW8260	1,2,4-Trimethylbenzene	95-63-6	FD	0.07	U	µg/L	1	0.07
			SW8260	1,2,4-Trimethylbenzene	95-63-6	N	0.07	U	µg/L	1	0.07

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## Summary of Analytical Data, First Quarter 2005

### LTO&M First Quarter 2005 Report, Beale Air Force Base, California

Site	Sample Location	Sample Date	Method	Analyte	CAS No.	QA/QC Type	Result	Flag	Units	Reporting Limit	Method Detection Limit
<b>GTS</b>											
Site 13	13L011MW	1/21/2005	SW8260	1,2-DCA	107-06-2	FD	0.1	U	µg/L	0.5	0.1
			SW8260	1,2-DCA	107-06-2	N	0.1	U	µg/L	0.5	0.1
			SW8260	1,2-DCB	95-50-1	N	0.11	U	µg/L	1	0.11
			SW8260	1,2-DCB	95-50-1	FD	0.11	U	µg/L	1	0.11
			SW8260	1,2-Dibromo-3-chloropropane	96-12-8	FD	0.12	U	µg/L	2	0.12
			SW8260	1,2-Dibromo-3-chloropropane	96-12-8	N	0.12	U	µg/L	2	0.12
			SW8260	1,2-Dichloropropane	78-87-5	FD	0.12	U	µg/L	1	0.12
			SW8260	1,2-Dichloropropane	78-87-5	N	0.12	U	µg/L	1	0.12
			SW8260	1,2-EDB	106-93-4	FD	0.09	U	µg/L	1	0.09
			SW8260	1,2-EDB	106-93-4	N	0.09	U	µg/L	1	0.09
			SW8260	1,3,5-Trimethylbenzene	108-67-8	FD	0.08	U	µg/L	1	0.08
			SW8260	1,3,5-Trimethylbenzene	108-67-8	N	0.08	U	µg/L	1	0.08
			SW8260	1,3-DCB	541-73-1	FD	0.1	U	µg/L	1	0.1
			SW8260	1,3-DCB	541-73-1	N	0.1	U	µg/L	1	0.1
			SW8260	1,3-Dichloropropane	142-28-9	FD	0.09	U	µg/L	0.4	0.09
			SW8260	1,3-Dichloropropane	142-28-9	N	0.09	U	µg/L	0.4	0.09
			SW8260	1,4-DCB	106-46-7	FD	0.13	U	µg/L	0.5	0.13
			SW8260	1,4-DCB	106-46-7	N	0.13	U	µg/L	0.5	0.13
			SW8260	1-Chlorohexane	544-10-5	N	0.06	U	µg/L	1	0.06
			SW8260	1-Chlorohexane	544-10-5	FD	0.06	U	µg/L	1	0.06
			SW8260	2,2-Dichloropropane	594-20-7	FD	0.12	U	µg/L	1	0.12
			SW8260	2,2-Dichloropropane	594-20-7	N	0.12	U	µg/L	1	0.12
			SW8260	2-Chlorotoluene	95-49-8	FD	0.08	U	µg/L	1	0.08
			SW8260	2-Chlorotoluene	95-49-8	N	0.08	U	µg/L	1	0.08
			SW8260	4-Chlorotoluene	106-43-4	FD	0.07	U	µg/L	1	0.07
			SW8260	4-Chlorotoluene	106-43-4	N	0.07	U	µg/L	1	0.07
			SW8260	Acetone	67-64-1	FD	0.6	U	µg/L	10	0.6
			SW8260	Acetone	67-64-1	N	0.6	U	µg/L	10	0.6
			SW8260	Benzene	71-43-2	FD	0.07	U	µg/L	0.4	0.07
			SW8260	Benzene	71-43-2	N	0.07	U	µg/L	0.4	0.07
			SW8260	Bromobenzene	108-86-1	FD	0.11	U	µg/L	1	0.11
			SW8260	Bromobenzene	108-86-1	N	0.11	U	µg/L	1	0.11
			SW8260	Bromochloromethane	74-97-5	FD	0.13	U	µg/L	1	0.13

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## Summary of Analytical Data, First Quarter 2005

LTO&M First Quarter 2005 Report, Beale Air Force Base, California

Site	Sample Location	Sample Date	Method	Analyte	CAS No.	QA/QC Type	Result	Flag	Units	Reporting Limit	Method Detection Limit
<b>GTS</b>											
Site 13	13L011MW	1/21/2005	SW8260	Bromochloromethane	74-97-5	N	0.13	U	µg/L	1	0.13
			SW8260	Bromodichloromethane	75-27-4	N	0.12	U	µg/L	0.5	0.12
			SW8260	Bromodichloromethane	75-27-4	FD	0.12	U	µg/L	0.5	0.12
			SW8260	Bromoform	75-25-2	FD	0.6	F	µg/L	1	0.08
			SW8260	Bromoform	75-25-2	N	0.08	U	µg/L	1	0.08
			SW8260	Bromomethane	74-83-9	FD	0.23	U	µg/L	3	0.23
			SW8260	Bromomethane	74-83-9	N	0.23	U	µg/L	3	0.23
			SW8260	Carbon Tetrachloride	56-23-5	FD	0.08	U	µg/L	1	0.08
			SW8260	Carbon Tetrachloride	56-23-5	N	0.08	U	µg/L	1	0.08
			SW8260	Chlorobenzene	108-90-7	FD	0.12	U	µg/L	0.5	0.12
			SW8260	Chlorobenzene	108-90-7	N	0.12	U	µg/L	0.5	0.12
			SW8260	Chloroethane	75-00-3	FD	0.2	U	µg/L	1	0.2
			SW8260	Chloroethane	75-00-3	N	0.2	U	µg/L	1	0.2
			SW8260	Chloroform	67-66-3	FD	2.07		µg/L	0.3	0.13
			SW8260	Chloroform	67-66-3	N	2.21		µg/L	0.3	0.13
			SW8260	Chloromethane	74-87-3	FD	0.15	U	µg/L	1	0.15
			SW8260	Chloromethane	74-87-3	N	0.15	U	µg/L	1	0.15
			SW8260	cis-1,2-DCE	156-59-2	N	70.7		µg/L	1	0.1
			SW8260	cis-1,2-DCE	156-59-2	FD	64.7		µg/L	1	0.1
			SW8260	cis-1,3-Dichloropropene	10061-01-5	FD	0.1	U	µg/L	0.5	0.1
			SW8260	cis-1,3-Dichloropropene	10061-01-5	N	0.1	U	µg/L	0.5	0.1
			SW8260	Dibromochloromethane	124-48-1	FD	0.22	F	µg/L	0.5	0.09
			SW8260	Dibromochloromethane	124-48-1	N	0.09	U	µg/L	0.5	0.09
			SW8260	Dibromomethane	74-95-3	FD	0.11	U	µg/L	1	0.11
			SW8260	Dibromomethane	74-95-3	N	0.11	U	µg/L	1	0.11
			SW8260	Dichlorodifluoromethane	75-71-8	FD	0.13	U	µg/L	1	0.13
			SW8260	Dichlorodifluoromethane	75-71-8	N	0.13	U	µg/L	1	0.13
			SW8260	Ethylbenzene	100-41-4	FD	0.08	U	µg/L	1	0.08
			SW8260	Ethylbenzene	100-41-4	N	0.08	U	µg/L	1	0.08
			SW8260	Hexachlorobutadiene	87-68-3	FD	0.09	U	µg/L	0.6	0.09
			SW8260	Hexachlorobutadiene	87-68-3	N	0.09	U	µg/L	0.6	0.09
			SW8260	Isopropylbenzene	98-82-8	FD	0.08	U	µg/L	1	0.08
			SW8260	Isopropylbenzene	98-82-8	N	0.08	U	µg/L	1	0.08

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## Summary of Analytical Data, First Quarter 2005

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Site	Sample Location	Sample Date	Method	Analyte	CAS No.	QA/QC Type	Result	Flag	Units	Reporting Limit	Method Detection Limit
<b>GTS</b>											
Site 13	13L011MW	1/21/2005	SW8260	m,p-Xylene	108-38-3/1	N	0.14	U	µg/L	2	0.14
			SW8260	m,p-Xylene	108-38-3/1	FD	0.14	U	µg/L	2	0.14
			SW8260	MEK (2-Butanone)	78-93-3	FD	0.2	U	µg/L	10	0.2
			SW8260	MEK (2-Butanone)	78-93-3	N	0.2	U	µg/L	10	0.2
			SW8260	Methyl t-butyl ether (MtBE)	1634-04-4	FD	0.15	U	µg/L	5	0.15
			SW8260	Methyl t-butyl ether (MtBE)	1634-04-4	N	0.15	U	µg/L	5	0.15
			SW8260	Methylene Chloride	75-09-2	FD	0.2	U	µg/L	1	0.2
			SW8260	Methylene Chloride	75-09-2	N	0.2	U	µg/L	1	0.2
			SW8260	MIBK (methyl isobutyl ketone)	108-10-1	FD	0.1	U	µg/L	10	0.1
			SW8260	MIBK (methyl isobutyl ketone)	108-10-1	N	0.1	U	µg/L	10	0.1
			SW8260	Naphthalene	91-20-3	FD	0.05	U	µg/L	1	0.05
			SW8260	Naphthalene	91-20-3	N	0.05	U	µg/L	1	0.05
			SW8260	n-Butylbenzene	104-51-8	FD	0.09	U	µg/L	1	0.09
			SW8260	n-Butylbenzene	104-51-8	N	0.09	U	µg/L	1	0.09
			SW8260	n-Propylbenzene	103-65-1	FD	0.08	U	µg/L	1	0.08
			SW8260	n-Propylbenzene	103-65-1	N	0.08	U	µg/L	1	0.08
			SW8260	o-Xylene	95-47-6	N	0.09	U	µg/L	1	0.09
			SW8260	o-Xylene	95-47-6	FD	0.09	U	µg/L	1	0.09
			SW8260	PCE	127-18-4	FD	1.69		µg/L	1	0.07
			SW8260	PCE	127-18-4	N	2.11		µg/L	1	0.07
			SW8260	p-Isopropyltoluene	99-87-6	FD	0.09	U	µg/L	1	0.09
			SW8260	p-Isopropyltoluene	99-87-6	N	0.09	U	µg/L	1	0.09
			SW8260	sec-Butylbenzene	135-98-8	FD	0.07	U	µg/L	1	0.07
			SW8260	sec-Butylbenzene	135-98-8	N	0.07	U	µg/L	1	0.07
			SW8260	Styrene	100-42-5	FD	0.08	U	µg/L	1	0.08
			SW8260	Styrene	100-42-5	N	0.08	U	µg/L	1	0.08
			SW8260	TCE	79-01-6	FD	165		µg/L	10	0.99
			SW8260	TCE	79-01-6	N	190		µg/L	10	0.99
			SW8260	Tert-Butylbenzene	98-06-6	FD	0.07	U	µg/L	1	0.07
			SW8260	Tert-Butylbenzene	98-06-6	N	0.07	U	µg/L	1	0.07
			SW8260	Toluene	108-88-3	FD	0.08	U	µg/L	1	0.08
			SW8260	Toluene	108-88-3	N	0.08	U	µg/L	1	0.08
			SW8260	trans-1,2-DCE	156-60-5	N	14.3		µg/L	1	0.09

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Site	Sample Location	Sample Date	Method	Analyte	CAS No.	QA/QC Type	Result	Flag	Units	Reporting Limit	Method Detection Limit
GTS											
Site 13	13L011MW	1/21/2005	SW8260	trans-1,2-DCE	156-60-5	FD	12.2		µg/L	1	0.09
	SW8260		trans-1,3-Dichloropropene	10061-02-6	FD	0.07	U	µg/L	1	0.07	
	SW8260		trans-1,3-Dichloropropene	10061-02-6	N	0.07	U	µg/L	1	0.07	
	SW8260		Trichlorofluoromethane	75-69-4	FD	0.17	U	µg/L	1	0.17	
	SW8260		Trichlorofluoromethane	75-69-4	N	0.17	U	µg/L	1	0.17	
	SW8260		Vinyl Chloride	75-01-4	FD	0.21	U	µg/L	1	0.21	
	SW8260		Vinyl Chloride	75-01-4	N	0.21	U	µg/L	1	0.21	
	13L027MW		SW8260	1,1,1,2-Tetrachloroethane	630-20-6	N	0.09	U	µg/L	0.5	0.09
			SW8260	1,1,1-TCA	71-55-6	N	0.11	U	µg/L	1	0.11
			SW8260	1,1,2,2-Tetrachloroethane	79-34-5	N	0.11	U	µg/L	0.5	0.11
			SW8260	1,1,2-TCA	79-00-5	N	0.14	U	µg/L	1	0.14
			SW8260	1,1-DCA	75-34-3	N	0.13	U	µg/L	1	0.13
			SW8260	1,1-DCE	75-35-4	N	0.13	U	µg/L	1	0.13
			SW8260	1,1-Dichloropropene	563-58-6	N	0.07	U	µg/L	1	0.07
			SW8260	1,2,3-Trichlorobenzene	87-61-6	N	0.07	U	µg/L	1	0.07
			SW8260	1,2,3-Trichloropropane	96-18-4	N	0.11	U	µg/L	1	0.11
			SW8260	1,2,4-Trichlorobenzene	120-82-1	N	0.08	U	µg/L	1	0.08
			SW8260	1,2,4-Trimethylbenzene	95-63-6	N	0.07	U	µg/L	1	0.07
			SW8260	1,2-DCA	107-06-2	N	0.1	U	µg/L	0.5	0.1
			SW8260	1,2-DCB	95-50-1	N	0.11	U	µg/L	1	0.11
			SW8260	1,2-Dibromo-3-chloropropane	96-12-8	N	0.12	U	µg/L	2	0.12
			SW8260	1,2-Dichloropropane	78-87-5	N	0.12	U	µg/L	1	0.12
			SW8260	1,2-EDB	106-93-4	N	0.09	U	µg/L	1	0.09
			SW8260	1,3,5-Trimethylbenzene	108-67-8	N	0.08	U	µg/L	1	0.08
			SW8260	1,3-DCB	541-73-1	N	0.1	U	µg/L	1	0.1
			SW8260	1,3-Dichloropropane	142-28-9	N	0.09	U	µg/L	0.4	0.09
			SW8260	1,4-DCB	106-46-7	N	0.13	U	µg/L	0.5	0.13
			SW8260	1-Chlorohexane	544-10-5	N	0.06	U	µg/L	1	0.06
			SW8260	2,2-Dichloropropane	594-20-7	N	0.12	U	µg/L	1	0.12
			SW8260	2-Chlorotoluene	95-49-8	N	0.08	U	µg/L	1	0.08
			SW8260	4-Chlorotoluene	106-43-4	N	0.07	U	µg/L	1	0.07
			SW8260	Acetone	67-64-1	N	0.6	U	µg/L	10	0.6
			SW8260	Benzene	71-43-2	N	0.07	U	µg/L	0.4	0.07

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## Summary of Analytical Data, First Quarter 2005

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Site	Sample Location	Sample Date	Method	Analyte	CAS No.	QA/QC Type	Result	Flag	Units	Reporting Limit	Method Detection Limit
<b>GTS</b>											
Site 13	13L027MW	1/21/2005	SW8260	Bromobenzene	108-86-1	N	0.11	U	µg/L	1	0.11
			SW8260	Bromochloromethane	74-97-5	N	0.13	U	µg/L	1	0.13
			SW8260	Bromodichloromethane	75-27-4	N	0.12	U	µg/L	0.5	0.12
			SW8260	Bromoform	75-25-2	N	0.08	U	µg/L	1	0.08
			SW8260	Bromomethane	74-83-9	N	0.23	U	µg/L	3	0.23
			SW8260	Carbon Tetrachloride	56-23-5	N	0.08	U	µg/L	1	0.08
			SW8260	Chlorobenzene	108-90-7	N	0.12	U	µg/L	0.5	0.12
			SW8260	Chloroethane	75-00-3	N	0.2	U	µg/L	1	0.2
			SW8260	Chloroform	67-66-3	N	0.13	U	µg/L	0.3	0.13
			SW8260	Chloromethane	74-87-3	N	0.15	U	µg/L	1	0.15
			SW8260	cis-1,2-DCE	156-59-2	N	0.2	F	µg/L	1	0.1
			SW8260	cis-1,3-Dichloropropene	10061-01-5	N	0.1	U	µg/L	0.5	0.1
			SW8260	Dibromochloromethane	124-48-1	N	0.09	U	µg/L	0.5	0.09
			SW8260	Dibromomethane	74-95-3	N	0.11	U	µg/L	1	0.11
			SW8260	Dichlorodifluoromethane	75-71-8	N	0.13	U	µg/L	1	0.13
			SW8260	Ethylbenzene	100-41-4	N	0.08	U	µg/L	1	0.08
			SW8260	Hexachlorobutadiene	87-68-3	N	0.09	U	µg/L	0.6	0.09
			SW8260	Isopropylbenzene	98-82-8	N	0.08	U	µg/L	1	0.08
			SW8260	m,p-Xylene	108-38-3/1	N	0.14	U	µg/L	2	0.14
			SW8260	MEK (2-Butanone)	78-93-3	N	0.2	U	µg/L	10	0.2
			SW8260	Methyl t-butyl ether (MtBE)	1634-04-4	N	0.15	U	µg/L	5	0.15
			SW8260	Methylene Chloride	75-09-2	N	0.2	U	µg/L	1	0.2
			SW8260	MIBK (methyl isobutyl ketone)	108-10-1	N	0.1	U	µg/L	10	0.1
			SW8260	Naphthalene	91-20-3	N	0.05	U	µg/L	1	0.05
			SW8260	n-Butylbenzene	104-51-8	N	0.09	U	µg/L	1	0.09
			SW8260	n-Propylbenzene	103-65-1	N	0.08	U	µg/L	1	0.08
			SW8260	o-Xylene	95-47-6	N	0.09	U	µg/L	1	0.09
			SW8260	PCE	127-18-4	N	0.09	F	µg/L	1	0.07
			SW8260	p-Isopropyltoluene	99-87-6	N	0.09	U	µg/L	1	0.09
			SW8260	sec-Butylbenzene	135-98-8	N	0.07	U	µg/L	1	0.07
			SW8260	Styrene	100-42-5	N	0.08	U	µg/L	1	0.08
			SW8260	TCE	79-01-6	N	6.58		µg/L	1	0.1
			SW8260	Tert-Butylbenzene	98-06-6	N	0.07	U	µg/L	1	0.07

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Site	Sample Location	Sample Date	Method	Analyte	CAS No.	QA/QC Type	Result	Flag	Units	Reporting Limit	Method Detection Limit
GTS											
Site 13	13L027MW	1/21/2005	SW8260	Toluene	108-88-3	N	0.08	U	µg/L	1	0.08
	SW8260		trans-1,2-DCE	156-60-5	N	0.09	U	µg/L	1	0.09	
	SW8260		trans-1,3-Dichloropropene	10061-02-6	N	0.07	U	µg/L	1	0.07	
	SW8260		Trichlorofluoromethane	75-69-4	N	0.17	U	µg/L	1	0.17	
	SW8260		Vinyl Chloride	75-01-4	N	0.21	U	µg/L	1	0.21	
	13O005EW		SW8260	1,1,1,2-Tetrachloroethane	630-20-6	N	0.09	U	µg/L	0.5	0.09
			SW8260	1,1,1-TCA	71-55-6	N	0.11	U	µg/L	1	0.11
			SW8260	1,1,2,2-Tetrachloroethane	79-34-5	N	0.11	U	µg/L	0.5	0.11
			SW8260	1,1,2-TCA	79-00-5	N	0.14	U	µg/L	1	0.14
			SW8260	1,1-DCA	75-34-3	N	0.13	U	µg/L	1	0.13
			SW8260	1,1-DCE	75-35-4	N	0.13	U	µg/L	1	0.13
			SW8260	1,1-Dichloropropene	563-58-6	N	0.07	U	µg/L	1	0.07
			SW8260	1,2,3-Trichlorobenzene	87-61-6	N	0.07	U	µg/L	1	0.07
			SW8260	1,2,3-Trichloropropane	96-18-4	N	0.11	U	µg/L	1	0.11
			SW8260	1,2,4-Trichlorobenzene	120-82-1	N	0.08	U	µg/L	1	0.08
			SW8260	1,2,4-Trimethylbenzene	95-63-6	N	0.07	U	µg/L	1	0.07
			SW8260	1,2-DCA	107-06-2	N	0.1	U	µg/L	0.5	0.1
			SW8260	1,2-DCB	95-50-1	N	0.11	U	µg/L	1	0.11
			SW8260	1,2-Dibromo-3-chloropropane	96-12-8	N	0.12	U	µg/L	2	0.12
			SW8260	1,2-Dichloropropane	78-87-5	N	0.12	U	µg/L	1	0.12
			SW8260	1,2-EDB	106-93-4	N	0.09	U	µg/L	1	0.09
			SW8260	1,3,5-Trimethylbenzene	108-67-8	N	0.08	U	µg/L	1	0.08
			SW8260	1,3-DCB	541-73-1	N	0.1	U	µg/L	1	0.1
			SW8260	1,3-Dichloropropane	142-28-9	N	0.09	U	µg/L	0.4	0.09
			SW8260	1,4-DCB	106-46-7	N	0.13	U	µg/L	0.5	0.13
			SW8260	1-Chlorohexane	544-10-5	N	0.06	U	µg/L	1	0.06
			SW8260	2,2-Dichloropropane	594-20-7	N	0.12	U	µg/L	1	0.12
			SW8260	2-Chlorotoluene	95-49-8	N	0.08	U	µg/L	1	0.08
			SW8260	4-Chlorotoluene	106-43-4	N	0.07	U	µg/L	1	0.07
			SW8260	Acetone	67-64-1	N	0.6	U	µg/L	10	0.6
			SW8260	Benzene	71-43-2	N	0.07	U	µg/L	0.4	0.07
			SW8260	Bromobenzene	108-86-1	N	0.11	U	µg/L	1	0.11
			SW8260	Bromochloromethane	74-97-5	N	0.13	U	µg/L	1	0.13

# APPENDIX A

## Summary of Analytical Data, First Quarter 2005

### LTO&M First Quarter 2005 Report, Beale Air Force Base, California

Site	Sample Location	Sample Date	Method	Analyte	CAS No.	QA/QC Type	Result	Flag	Units	Reporting Limit	Method Detection Limit
<b>GTS</b>											
Site 13	13O005EW	1/21/2005	SW8260	Bromodichloromethane	75-27-4	N	0.12	U	µg/L	0.5	0.12
			SW8260	Bromoform	75-25-2	N	0.08	U	µg/L	1	0.08
			SW8260	Bromomethane	74-83-9	N	0.23	U	µg/L	3	0.23
			SW8260	Carbon Tetrachloride	56-23-5	N	0.08	U	µg/L	1	0.08
			SW8260	Chlorobenzene	108-90-7	N	0.12	U	µg/L	0.5	0.12
			SW8260	Chloroethane	75-00-3	N	0.2	U	µg/L	1	0.2
			SW8260	Chloroform	67-66-3	N	0.13	U	µg/L	0.3	0.13
			SW8260	Chloromethane	74-87-3	N	0.15	U	µg/L	1	0.15
			SW8260	cis-1,2-DCE	156-59-2	N	0.36	F	µg/L	1	0.1
			SW8260	cis-1,3-Dichloropropene	10061-01-5	N	0.1	U	µg/L	0.5	0.1
			SW8260	Dibromochloromethane	124-48-1	N	0.09	U	µg/L	0.5	0.09
			SW8260	Dibromomethane	74-95-3	N	0.11	U	µg/L	1	0.11
			SW8260	Dichlorodifluoromethane	75-71-8	N	0.13	U	µg/L	1	0.13
			SW8260	Ethylbenzene	100-41-4	N	0.08	U	µg/L	1	0.08
			SW8260	Hexachlorobutadiene	87-68-3	N	0.09	U	µg/L	0.6	0.09
			SW8260	Isopropylbenzene	98-82-8	N	0.08	U	µg/L	1	0.08
			SW8260	m,p-Xylene	108-38-3/1	N	0.14	U	µg/L	2	0.14
			SW8260	MEK (2-Butanone)	78-93-3	N	0.2	U	µg/L	10	0.2
			SW8260	Methyl t-butyl ether (MtBE)	1634-04-4	N	0.15	U	µg/L	5	0.15
			SW8260	Methylene Chloride	75-09-2	N	0.2	U	µg/L	1	0.2
			SW8260	MIBK (methyl isobutyl ketone)	108-10-1	N	0.1	U	µg/L	10	0.1
			SW8260	Naphthalene	91-20-3	N	0.05	U	µg/L	1	0.05
			SW8260	n-Butylbenzene	104-51-8	N	0.09	U	µg/L	1	0.09
			SW8260	n-Propylbenzene	103-65-1	N	0.08	U	µg/L	1	0.08
			SW8260	o-Xylene	95-47-6	N	0.09	U	µg/L	1	0.09
			SW8260	PCE	127-18-4	N	0.1	F	µg/L	1	0.07
			SW8260	p-Isopropyltoluene	99-87-6	N	0.09	U	µg/L	1	0.09
			SW8260	sec-Butylbenzene	135-98-8	N	0.07	U	µg/L	1	0.07
			SW8260	Styrene	100-42-5	N	0.08	U	µg/L	1	0.08
			SW8260	TCE	79-01-6	N	7.13		µg/L	1	0.1
			SW8260	Tert-Butylbenzene	98-06-6	N	0.07	U	µg/L	1	0.07
			SW8260	Toluene	108-88-3	N	0.08	U	µg/L	1	0.08
			SW8260	trans-1,2-DCE	156-60-5	N	0.15	F	µg/L	1	0.09

## APPENDIX A

### Summary of Analytical Data, First Quarter 2005

LTO&M First Quarter 2005 Report, Beale Air Force Base, California

Site	Sample Location	Sample Date	Method	Analyte	CAS No.	QA/QC Type	Result	Flag	Units	Reporting Limit	Method Detection Limit
<b>GTS</b>											
Site 13	13O005EW	1/21/2005	SW8260	trans-1,3-Dichloropropene	10061-02-6	N	0.07	U	µg/L	1	0.07
			SW8260	Trichlorofluoromethane	75-69-4	N	0.17	U	µg/L	1	0.17
			SW8260	Vinyl Chloride	75-01-4	N	0.21	U	µg/L	1	0.21

Notes:

U = Not Detected.

FD = Field Duplicate.

N = Normal Sample.

#### Qualifier Description

B = The analyte was found in an associated blank, as well as in the sample.

F = The analyte was positively identified but the associated numerical value is below the reporting limit (RL).

J = The analyte was positively identified, the quantitation is an estimate.

M = A matrix effect was present.

**Appendix B**  
**Site 10 Enhanced In Situ Bioremediation**  
**Treatment System Monitoring Data**

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*Long-term Operation and Maintenance  
First Quarter 2005 Report  
Appendix B*

**Site 10 Enhanced In Situ  
Bioremediation Treatment System  
Monitoring Data**

Prepared for  
**Beale Air Force Base**

July 2005

**CH2MHILL**  
2525 Airpark Drive  
Redding, California 96001

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# Acronyms and Abbreviations

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µg/L	micrograms per liter
bgs	below ground surface
CMW	compliance monitoring well
DCE	dichloroethene
MCL	maximum contaminant level
mg/L	milligrams per liter
ORP	oxidation reduction potential
PCE	tetrachloroethylene
TCA	trichloroethane
TCE	trichloroethylene
TECA	tetrachloroethane
VOC	volatile organic compound

# Site 10 EISB Treatment System Monitoring Data

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## B.1 Project Overview

The Long-term Operation and Maintenance Project at Beale Air Force Base is performed through the Air Force Center for Environmental Excellence. This appendix provides a summary of the first quarter 2005 monitoring data collected for that project from the Site 10 enhanced in situ bioremediation (EISB) treatment system.

Transect 1 of the full-scale EISB treatment system at Site 10 was installed in 2004. As shown on Figure B-1 (all figures are located at the end of this report), the EISB treatment system currently consists of four extraction wells and eight injection wells. System performance and compliance is assessed with 10 performance monitoring wells (PMW) and seven compliance monitoring wells (CMW) (see Table B-1; all tables located at the end of this appendix). EISB is being used to treat chlorinated volatile organic compound (VOC) contamination in the groundwater source area (defined as groundwater with trichloroethylene [TCE] concentrations greater than 100 micrograms per liter [ $\mu\text{g/L}$ ]). The remedial action objectives are described in Section 5.6 of the *Site 10 Remedial Action Summary Report* (CH2M HILL, 2005).

The following sections discuss the analytical results and field analysis of groundwater samples collected at Site 10. The data have been divided into two categories according to the purpose of the well location, and performance and compliance monitoring.

Three rounds of groundwater samples were collected from wells associated with the EISB treatment system. The baseline event was conducted in July and August 2004, post-recirculation sampling was conducted January 17 through 20, 2005, and the quarterly sampling was conducted March 21, 22, and 23, 2005. The data from the March 2005 sampling event will be discussed in the second quarter 2005 report. Quarterly sampling will be conducted until the EISB treatment system is shut down. Table B-2 lists the analytes detected in groundwater. Time series plots of field and laboratory data for groundwater are presented in Attachment B1, and complete analytical results are provided in Attachment B2.

## B.2 Injection, Extraction, and Performance Monitoring Wells

### B.2.1 Chlorinated Volatile Organic Compounds

Figure B-2 presents results of the post-recirculation sampling conducted in January 2005. TCE was detected at a maximum concentration of 3,340  $\mu\text{g/L}$  in extraction well 10C031RW. TCE concentrations in the other extraction wells ranged from 169 to 2,270  $\mu\text{g/L}$ . Groundwater samples were not collected from the injection wells during the January 2005 sampling event. TCE was detected in PMWs, with concentration values ranging from 11.9 to 1,740  $\mu\text{g/L}$ . The highest result was detected in 10C055RW. The lowest TCE concentrations were detected in PMWs 10C033RW and 10C040RW. These wells are screened near the top of a subsurface clay ridge running along the western portion of the site (see Figure B-2).

The clay ridge serves as a significant groundwater boundary at Site 10 and limits the migration of contamination to the west.

The cis-1,2-dichloroethene (DCE) was detected at concentrations up to 393 µg/L in extraction wells and up to 301 µg/L in the PMWs. Trans-1,2-DCE was not detected above 1.90 µg/L in extraction wells and PMWs. Vinyl chloride was detected at a concentration of 54 µg/L in 10M004MW (PMW), a 29 percent increase over the August 2004 sample result. Well 10M004MW is located within the EISB pilot-test area (see Figure B-2). Vinyl chloride concentrations within the pilot-test area remain elevated because the reductive dechlorination of vinyl chloride to ethane is limited by the electron donor. Vinyl chloride was not detected outside the pilot-test area.

### **B.2.2 Dissolved Hydrocarbon Gases, Dissolved Manganese, and Volatile Fatty Acids**

Dissolved hydrocarbon gases were detected at elevated concentrations in 10M004MW (a PMW) during the January 2005 sampling event. Methane, ethene, and ethane were detected at concentrations of 5,900, 50.6, and 32.7 µg/L, respectively. 10M004MW is in the pilot-test area. In the extraction wells and the other PMWs these constituents were detected at concentrations equal to or less than 1.7 µg/L.

Dissolved manganese was detected in 10M004MW at a concentration of 13 milligrams per liter (mg/L). In the extraction wells and the PMWs outside the pilot-test treatment area, dissolved manganese was detected at low concentrations (less than 0.04 mg/L).

Elevated volatile fatty acid concentrations were detected in 10M004MW during the January 2005 sampling event. Acetic acid and propionic acid were detected at concentrations of 34 and 9.06 mg/L, respectively. In the extraction wells and the remaining PMWs, volatile fatty acids were not detected or were detected at concentrations below the reporting limit (0.087 mg/L).

### **B.2.3 Field Parameters**

During first quarter 2005, pH and oxidation reduction potential (ORP) measurements were typically collected monthly for most injection wells, extraction wells, and PMWs. At 10C040RW and 10C033RW, field measurements were only collected in January 2005. Measurements of pH ranged from 6.49 to 8.47. ORP measurements less than zero indicate an anaerobic reducing environment. Negative ORP was detected in wells 10C041RW, 10C038RW, 10C032RW, and 10M004MW. Wells 10C041RW, 10C038RW, and 10C032RW began first quarter 2005 with positive ORPs.

## **B.3 Compliance Monitoring Wells**

This section discusses analytical results from samples collected in the five shallow CMWs. No samples were collected from the two deep CMWs during first quarter 2005. A proper baseline data set is still being collected from CMWs at Site 10. The January 2005 data is the second round of the eight necessary rounds needed to establish baseline values. Section 5.3.2.2 of the *Site 10 Remedial Action Summary Report* (CH2M HILL, 2005) documents

the method for evaluating compliance monitoring data for the Phase 1 EISB treatment system.

### B.3.1 Chlorinated Volatile Organic Compounds

TCE concentrations varied greatly in the CMWs. 10C035RW, 10C050RW, and 10C051RW are located in areas of existing chlorinated VOC contamination. During January 2005 ground-water sampling, TCE was detected at concentrations of 32.6 µg/L in 10C035RW, 242 µg/L in 10C050RW, and 694 µg/L in 10C051RW. Compared to August 2004, TCE concentrations in 10C035RW and 10C050RW increased 29 and 24 percent, respectively. TCE concentrations in 10C051RW remained fairly stable between August 2004 and January 2005.

CMWs 10C003MW and 10M005MW are located in areas with TCE contaminations less than the Maximum Contaminant Level (MCL). In January 2005, TCE was not detected in well 10M005MW, but was detected in upgradient well 10C003MW (2.03 µg/L).

During January 2005 groundwater sampling, cis-1,2-DCE and trans-1,2-DCE were not detected above reporting limits. Vinyl chloride was not detected in any of the January 2005 CMW groundwater samples.

Chlorinated VOC concentrations in CMWs show no apparent trends through January 2005 (see Attachment B1-1 and B1-2).

### B.3.2 Dissolved Hydrocarbon Gases, Dissolved Manganese, and Volatile Fatty Acids

Dissolved methane was detected at low concentrations in all CMWs during the January 2005 sampling event. The concentrations ranged from 0.17 to 0.6 µg/L. Ethane and ethene were detected at concentrations less than 0.1 µg/L in 10C051RW and 10C050RW, respectively.

Dissolved manganese was detected at concentrations less than 0.06 mg/L in 10C035RW, 10C050RW, and 10C051RW.

At 10C050RW, acetic acid was detected below the reporting limit in a sample collected in January 2005. Because of the distance from Transect 1 and the failure to detect acetic or lactic acids in upgradient PMWs (10C055RW and 10C054RW), it is unlikely that electron donor amendment from the EISB treatment system is the source of the acetic acid. No volatile fatty acids were detected in the remaining CMWs.

None of the CMWs exhibited an existence of baseline for dissolved manganese or volatile fatty acids during first quarter 2005.

### B.3.3 Field Parameters

In January and March 2005, ORP and pH measurements were collected from 10C051RW, 10C050RW, and 10C035RW. At 10C003MW, ORP and pH measurements were collected in March 2005. Measurements of pH ranged from 6.93 to 8.91. ORP CMW measurements during first quarter 2005 were positive, indicating that reducing conditions do not exist around the CMWs. Therefore, reducing conditions produced in the treatment zone have not impacted any of the CMWs.

## B.4 Work Cited

CH2M HILL. 2005. Draft. *Site10 Remedial Action Summary Report*. March.

TABLE B-1

ERP Site 10 EISB Treatment System – Transect 1 Well Identification and Classification

*LTO&M First Quarter 2005 Report, Beale Air Force Base, California – Site 10 EISB Treatment System Monitoring Data*

Well Type	Number of Wells	Well Identification
Extraction Wells	5	New – 10C030RW, 10C031RW, 10C032RW, and 10C045RW Existing – 10C024EW
Injection Wells	8	New – 10C034RW, 10C036RW, 10C037RW, 10C038RW, 10C039RW, 10C041RW, and 10C043RW Existing – 10C022IW
Performance Monitoring Wells	8	New – 10C047MW, 10C048MW, 10C049MW, 10C054RW, and 10C055RW Existing – 10C001MW, 10M004MW, and 10M006MW
Performance Monitoring Wells (Limited Monitoring)	2	New – 10C033RW and 10C040RW
Interim CMWs (Upper Zone)	5	New – 10C035RW, 10C050RW, and 10C051RW Existing – 10C003MW and 10M005MW
CMWs (Lower Zone)	2	Existing – 10L001MW and 10R001MW

TABLE B-2

Summary of Detected Compounds in Well Samples, First Quarter 2005

*LTO&M First Quarter 2005 Report, Beale Air Force Base, California – Site 10 EISB Treatment System Monitoring Data*

Date	Screen Interval (feet bgs)	Sample Location	Analyte	Result	Units
<b>Compliance Monitoring Well</b>					
1/17/2005	31 to 51	10C003MW	Acetone	1.8 F	µg/L
			Methane	0.6	µg/L
			TCE	2.03	µg/L
3/21/2005			Bromoform	0.39 F	µg/L
			Dibromochloromethane	0.18 F	µg/L
			Methane	0.14 F	µg/L
			TCE	1.69	µg/L
1/18/2005	50 to 62	10C035RW	cis-1,2-DCE	2.54	µg/L
			Manganese, dissolved	0.0013 F	mg/L
			Methane	0.23 F	µg/L
			PCE	0.33 F	µg/L
			<b>TCE</b>	<b>32.6</b>	µg/L

TABLE B-2

Summary of Detected Compounds in Well Samples, First Quarter 2005

*LTO&M First Quarter 2005 Report, Beale Air Force Base, California – Site 10 EISB Treatment System Monitoring Data*

Date	Screen Interval (feet bgs)	Sample Location	Analyte	Result	Units
3/23/2005			Chloride	1.45	mg/L
			cis-1,2-DCE	3.59	µg/L
			Iron, dissolved	0.021 F	mg/L
			Manganese, dissolved	0.0261	mg/L
			Methane	0.21 F	µg/L
			Nitrate-N	2.33	mg/L
			PCE	0.4 F	µg/L
			Phosphate	0.3 F	mg/L
			Sulfate	2.97	mg/L
			Sulfide	1.4 F	mg/L
			<b>TCE</b>	<b>44.2</b>	µg/L
1/17/2005	32 to 52	10C050RW	Acetic acid	0.031 F	mg/L
			Chloroform	0.14 F	µg/L
			cis-1,2-DCE	1.87	µg/L
			Manganese, dissolved	0.0025 F	mg/L
			<b>PCE</b>	<b>29.5</b>	µg/L
			<b>TCE</b>	<b>242</b>	µg/L
1/18/2005			Methane	0.28 F	µg/L
3/22/2005			cis-1,2-DCE	1.51	µg/L
			Manganese, dissolved	0.0015 F	mg/L
			Methane	0.25 F	µg/L
			<b>PCE</b>	<b>23.3</b>	µg/L
			<b>TCE</b>	<b>149</b>	µg/L
1/20/2005	37 to 54	10C051RW	<b>cis-1,2-DCE</b>	<b>8.42 F</b>	µg/L
			Ethane	0.076 F	µg/L
			Manganese, dissolved	0.0557	mg/L
			Methane	0.2 F	µg/L
			<b>PCE</b>	<b>42.7 F</b>	µg/L
			<b>TCE</b>	<b>694</b>	µg/L
3/22/2005			Chloroform	0.85	µg/L
			<b>cis-1,2-DCE</b>	<b>11</b>	µg/L
			Manganese, dissolved	0.0006 F	mg/L
			Methane	0.16 F	µg/L
			<b>PCE</b>	<b>50.7</b>	µg/L
			<b>TCE</b>	<b>736</b>	µg/L
1/19/2005	23 to 42.5	10M005MW	Methane	0.17 F	µg/L
3/23/2005			Methane	0.12 F	µg/L

TABLE B-2

Summary of Detected Compounds in Well Samples, First Quarter 2005

*LTO&M First Quarter 2005 Report, Beale Air Force Base, California – Site 10 EISB Treatment System Monitoring Data*

Date	Screen Interval (feet bgs)	Sample Location	Analyte	Result	Units			
Performance Monitoring Well								
1/17/2005	28 to 48	10C001MW	Acetic acid	0.041 F	mg/L			
			Chloride	22.9	mg/L			
			Chloroform	0.69 F	µg/L			
			cis-1,2-DCE	301	µg/L			
			Iron, dissolved	0.012 F	mg/L			
			Lactic acid	0.027 F	mg/L			
			Methane	0.38 F	µg/L			
			Nitrate-N	1.52	mg/L			
			PCE	74.3	µg/L			
			Sulfate	9.98	mg/L			
			TCE	993	µg/L			
			trans-1,2-DCE	0.55 F	µg/L			
			3/21/2005			Chloride	23.4	mg/L
						Chloroform	0.74 F	µg/L
cis-1,2-DCE	342	µg/L						
Iron, dissolved	0.008 F	mg/L						
Manganese, dissolved	0.0012 F	mg/L						
Methane	0.23 F	µg/L						
Nitrate-N	1.27	mg/L						
PCE	91.3	µg/L						
Phosphate	0.08 F	mg/L						
Sulfate	6.38	mg/L						
TCE	1,000	µg/L						
1/18/2005	33 to 43	10C033RW	Acetone	1.2 F	µg/L			
			cis-1,2-DCE	14.4	µg/L			
			PCE	0.32 F	µg/L			
			TCE	20.7	µg/L			
1/18/2005	38 to 43	10C040RW	cis-1,2-DCE	12.3	µg/L			
			TCE	11.9	µg/L			
1/17/2005	32 to 52	10C047MW	Acetone	1.5 F	µg/L			
			Chloride	48.5	mg/L			
			cis-1,2-DCE	8.57	µg/L			
			Iron, dissolved	0.008 F	mg/L			
			Manganese, dissolved	0.0005 F	mg/L			
			Methane	0.21 F	µg/L			
			Nitrate-N	1.21	mg/L			
			PCE	1.95	µg/L			
			Sulfate	8.81	mg/L			
			TCE	27	µg/L			

TABLE B-2

Summary of Detected Compounds in Well Samples, First Quarter 2005

*LTO&M First Quarter 2005 Report, Beale Air Force Base, California – Site 10 EISB Treatment System Monitoring Data*

Date	Screen Interval (feet bgs)	Sample Location	Analyte	Result	Units
3/21/2005			Acetone	6.5 F	µg/L
			Bromoform	0.7 F	µg/L
			Chloride	40.6	mg/L
			Chloroform	0.1 F	µg/L
			<b>cis-1,2-DCE</b>	<b>6.97</b>	µg/L
			Dibromochloromethane	0.25 F	µg/L
			Iron, dissolved	0.012 F	mg/L
			Methane	0.18 F	µg/L
			Nitrate-N	1.12	mg/L
			PCE	3.75	µg/L
			Phosphate	0.061 F	mg/L
			Sulfate	8.48	mg/L
			Sulfide	2.2	mg/L
			<b>TCE</b>	<b>37.4</b>	µg/L
			trans-1,2-DCE	0.87 F	µg/L
1/18/2005	32 to 67	10C048MW	1,1,2-TCA	0.34 F	µg/L
			Benzene	0.11 F	µg/L
			Chloride	9.15	mg/L
			Chloroform	1.41	µg/L
			<b>cis-1,2-DCE</b>	<b>178</b>	µg/L
			Ethane	0.21 F	µg/L
			Iron, dissolved	0.021 F	mg/L
			Manganese, dissolved	0.004 F	mg/L
			Methane	0.44 F	µg/L
			Nitrate-N	1.67	mg/L
			<b>PCE</b>	<b>31.1</b>	µg/L
			Sulfate	7.49	mg/L
			<b>TCE</b>	<b>1,660</b>	µg/L
			trans-1,2-DCE	0.51 F	µg/L
			Chloride	8.39	mg/L
3/22/2005			Chloroform	0.47	µg/L
			<b>cis-1,2-DCE</b>	<b>126</b>	µg/L
			Iron, dissolved	0.006 F	mg/L
			Methane	0.2 F	µg/L
			Nitrate-N	1.84	mg/L
			<b>PCE</b>	<b>6.38</b>	µg/L
			Phosphate	0.096 F	mg/L
			Sulfate	7.54	mg/L
			Sulfide	2.2	mg/L
			<b>TCE</b>	<b>435</b>	µg/L
			trans-1,2-DCE	0.32 F	µg/L

TABLE B-2

Summary of Detected Compounds in Well Samples, First Quarter 2005

*LTO&M First Quarter 2005 Report, Beale Air Force Base, California – Site 10 EISB Treatment System Monitoring Data*

Date	Screen Interval (feet bgs)	Sample Location	Analyte	Result	Units
1/17/2005	33 to 68	10C049MW	1,1,2-TCA	0.38 F	µg/L
			Benzene	0.09 F	µg/L
			Chloride	27.7	mg/L
			Chloroform	0.86	µg/L
			<b>cis-1,2-DCE</b>	<b>146</b>	µg/L
			Ethane	0.31 F	µg/L
			Iron, dissolved	0.006 F	mg/L
			Manganese, dissolved	0.0009 F	mg/L
			Methane	0.57 F	µg/L
			Nitrate-N	1.19	mg/L
			<b>PCE</b>	<b>19.9</b>	µg/L
			Phosphate	0.051 F	mg/L
			Sulfate	12.4	mg/L
			<b>TCE</b>	<b>716</b>	µg/L
			trans-1,2-DCE	0.19 F	µg/L
3/21/2005			1,1,2-TCA	0.41 F	µg/L
			Chloride	30	mg/L
			Chloroform	0.74	µg/L
			<b>cis-1,2-DCE</b>	<b>155</b>	µg/L
			Ethane	0.085 F	µg/L
			Iron, dissolved	0.009 F	mg/L
			Methane	0.28 F	µg/L
			Nitrate-N	1.29	mg/L
			<b>PCE</b>	<b>16</b>	µg/L
			Phosphate	0.07 F	mg/L
			Sulfate	11.1	mg/L
			Sulfide	2.2	mg/L
			<b>TCE</b>	<b>603</b>	µg/L
			trans-1,2-DCE	1.46 F	µg/L
1/17/2005	240.4 to 260.4	10C054RW	Acetone	1.6 F	µg/L
			Chloride	9.3	mg/L
			Chloroform	0.75	µg/L
			cis-1,2-DCE	5.93	µg/L
			Iron, dissolved	0.009 F	mg/L
			Manganese, dissolved	0.0022 F	mg/L
			Methane	0.27 F	µg/L
			Nitrate-N	1.82	mg/L
			<b>PCE</b>	<b>93.9</b>	µg/L
			Sulfate	3.81	mg/L
			<b>TCE</b>	<b>696</b>	µg/L

TABLE B-2

Summary of Detected Compounds in Well Samples, First Quarter 2005

*LTO&M First Quarter 2005 Report, Beale Air Force Base, California – Site 10 EISB Treatment System Monitoring Data*

Date	Screen Interval (feet bgs)	Sample Location	Analyte	Result	Units
3/22/2005			Chloride	9.55	mg/L
			Chloroform	0.72	µg/L
			<b>cis-1,2-DCE</b>	<b>6.06</b>	µg/L
			Iron, dissolved	0.007 F	mg/L
			Manganese, dissolved	0.001 F	mg/L
			Methane	0.19 F	µg/L
			Nitrate-N	1.81	mg/L
			<b>PCE</b>	<b>92</b>	µg/L
			Phosphate	0.15 F	mg/L
			Sulfate	3.72	mg/L
			Sulfide	5	mg/L
			<b>TCE</b>	<b>611</b>	µg/L
1/17/2005	275 to 295	10C055RW	1,1,1,2-TECA	0.58	µg/L
			1,1,2-TCA	1.29	µg/L
			1,1-DCE	0.17 F	µg/L
			Acetone	1.4 F	µg/L
			Chloride	25.7	mg/L
			Chloroform	1.06	µg/L
			<b>cis-1,2-DCE</b>	<b>88.5 F</b>	µg/L
			Manganese, dissolved	0.0273	mg/L
			Nitrate-N	1.84	mg/L
			<b>PCE</b>	<b>147</b>	µg/L
			Sulfate	7.62	mg/L
			<b>TCE</b>	<b>1,740</b>	µg/L
			trans-1,2-DCE	0.15 F	µg/L
			Ethane	0.82	µg/L
			Methane	1.51	µg/L
3/22/2005			1,1,2-TCA	0.99 F	µg/L
			Chloride	23.4	mg/L
			Chloroform	1.16 F	µg/L
			<b>cis-1,2-DCE</b>	<b>102</b>	µg/L
			Ethane	0.3 F	µg/L
			Iron, dissolved	0.024 F	mg/L
			Manganese, dissolved	0.0239	mg/L
			Methane	0.44 F	µg/L
			Nitrate-N	1.88	mg/L
			<b>PCE</b>	<b>165</b>	µg/L
			Phosphate	0.05 F	mg/L
			Sulfate	6.98	mg/L
			Sulfide	4.2	mg/L
			<b>TCE</b>	<b>1,570</b>	µg/L

TABLE B-2

Summary of Detected Compounds in Well Samples, First Quarter 2005

*LTO&M First Quarter 2005 Report, Beale Air Force Base, California – Site 10 EISB Treatment System Monitoring Data*

Date	Screen Interval (feet bgs)	Sample Location	Analyte	Result	Units
1/17/2005	36.4 to 56.4	10M004MW	1,1-DCE	0.15 F	µg/L
			Acetic acid	34	mg/L
			Bromoform	0.13 F	µg/L
			Chloride	20.2	mg/L
			<b>cis-1,2-DCE</b>	<b>181</b>	µg/L
			Dibromochloromethane	0.19 F	µg/L
			Ethane	32.7	µg/L
			Iron, dissolved	2.64	mg/L
			Manganese, dissolved	13	mg/L
			Methane	5,900	µg/L
			PCE	0.4 F	µg/L
			Propionic acid	9.06	mg/L
			Sulfate	0.24 F	mg/L
			<b>TCE</b>	<b>34.3</b>	µg/L
			trans-1,2-DCE	1.04	µg/L
			<b>Vinyl chloride</b>	<b>54</b>	µg/L
3/21/2005			Acetic acid	46.2	mg/L
			Acetone	23.4	µg/L
			Benzene	0.07 F	µg/L
			Chloride	20	mg/L
			cis-1,2-DCE	0.5 F	µg/L
			Ethane	47.2	µg/L
			Iron, dissolved	3.14	mg/L
			Lactic acid	1.53	mg/L
			Manganese, dissolved	8.31	mg/L
			MEK (2-Butanone)	41.2	µg/L
			Methane	16700	µg/L
			Propionic acid	51.3	mg/L
			Sulfate	0.035 F	mg/L
			Sulfide	3	mg/L
			TCE	0.1 F	µg/L
			Toluene	0.21 F	µg/L
			trans-1,2-DCE	0.16 F	µg/L
			<b>Vinyl chloride</b>	<b>2.24</b>	µg/L
1/18/2005	46 to 65.5	10M006MW	Bromoform	1.5 F	µg/L
			Chloride	2.85	mg/L
			Chloroform	0.19 F	µg/L
			<b>cis-1,2-DCE</b>	<b>34.4</b>	µg/L
			Dibromochloromethane	3.34 F	µg/L
			Methane	0.21 F	µg/L
			Nitrate-N	2.51	mg/L
			PCE	1.98	µg/L
			Sulfate	5.27	mg/L

TABLE B-2

Summary of Detected Compounds in Well Samples, First Quarter 2005

*LTO&M First Quarter 2005 Report, Beale Air Force Base, California – Site 10 EISB Treatment System Monitoring Data*

Date	Screen Interval (feet bgs)	Sample Location	Analyte	Result	Units
3/22/2005			TCE	157	µg/L
			trans-1,2-DCE	0.1 F	µg/L
			Chloride	2.68	mg/L
			Chloroform	0.15 F	µg/L
			cis-1,2-DCE	25.3	µg/L
			Iron, dissolved	0.013 F	mg/L
			Manganese, dissolved	0.0009 F	mg/L
			Methane	0.15 F	µg/L
			Nitrate-N	2.44	mg/L
			PCE	1.76	µg/L
			Phosphate	0.051 F	mg/L
			Sulfate	4.1	mg/L
			Sulfide	1.8 F	mg/L
			TCE	139	µg/L
			trans-1,2-DCE	0.12 F	µg/L
Monitoring Well					
1/18/2005	90 to 110	10C006MW	Acetone	1.2 F	µg/L
			TCE	1.38	µg/L
1/19/2005	38.62 to 58.62	10C009MW	Bromoform	0.18 F	µg/L
			Chloroform	0.11 F	µg/L
			cis-1,2-DCE	0.36 F	µg/L
			PCE	1.13	µg/L
			TCE	44.3	µg/L
1/19/2005	46.5 to 61.5	10R004MW	PCE	0.18 F	µg/L
			TCE	5.74	µg/L
Extraction Wells					
1/19/2005	40 to 58	10C030RW	Acetone	1.8 F	µg/L
			Chloroform	0.56	µg/L
			cis-1,2-DCE	393	µg/L
			Methane	0.21 F	µg/L
			PCE	7	µg/L
			TCE	180	µg/L
			trans-1,2-DCE	1.16	µg/L
3/23/2005			Chloroform	0.59	µg/L
			cis-1,2-DCE	323	µg/L
			Methane	0.19 F	µg/L
			PCE	15.3	µg/L
			TCE	212	µg/L
			trans-1,2-DCE	2.04	µg/L

TABLE B-2

Summary of Detected Compounds in Well Samples, First Quarter 2005

*LTO&M First Quarter 2005 Report, Beale Air Force Base, California – Site 10 EISB Treatment System Monitoring Data*

Date	Screen Interval (feet bgs)	Sample Location	Analyte	Result	Units
1/19/2005	43 to 63	10C031RW	Chloride	12	mg/L
			Chloroform	1.38 F	µg/L
			<b>cis-1,2-DCE</b>	<b>107</b>	µg/L
			Iron, dissolved	0.019 F	Mg/L
			Manganese, dissolved	0.0022 F	mg/L
			Methane	0.25 F	µg/L
			Nitrate-N	1.88	mg/L
			<b>PCE</b>	<b>231</b>	µg/L
			Phosphate	0.036 F	mg/L
			Sulfate	6.98	mg/L
			<b>TCE</b>	<b>3,340</b>	µg/L
			<b>cis-1,2-DCE</b>	<b>176</b>	µg/L
			Methane	0.22 F	µg/L
3/23/2005			<b>PCE</b>	<b>190</b>	µg/L
			<b>TCE</b>	<b>2,920</b>	µg/L
1/19/2005	43 to 63	10C032RW	Bromoform	1.82 F	µg/L
			Chloride	9.79	mg/L
			Chloroform	2.26 F	µg/L
			<b>cis-1,2-DCE</b>	<b>351</b>	µg/L
			Ethane	0.064 F	µg/L
			Iron, dissolved	0.011 F	mg/L
			Manganese, dissolved	0.0049 F	mg/L
			Methane	0.34 F	µg/L
			Nitrate-N	1.48	mg/L
			<b>PCE</b>	<b>55.7</b>	µg/L
			Phosphate	0.048 F	mg/L
			Sulfate	6.62	mg/L
			<b>TCE</b>	<b>2,720</b>	µg/L
			trans-1,2-DCE	1.89 F	µg/L
			Chloroform	1.5	µg/L
			<b>cis-1,2-DCE</b>	<b>223</b>	µg/L
3/23/2005			Iron, dissolved	0.014 F	mg/L
			Methane	0.28 F	µg/L
			<b>PCE</b>	<b>66.1</b>	µg/L
			Sulfide	1.4 F	mg/L
			<b>TCE</b>	<b>1,830</b>	µg/L
			trans-1,2-DCE	0.77 F	µg/L

TABLE B-2

Summary of Detected Compounds in Well Samples, First Quarter 2005

*LTO&M First Quarter 2005 Report, Beale Air Force Base, California – Site 10 EISB Treatment System Monitoring Data*

Date	Screen Interval (feet bgs)	Sample Location	Analyte	Result	Units
3/31/2005			Chloride	11.9	mg/L
			Nitrate-N	1.7	mg/L
			Sulfate	8.09	mg/L
1/19/2005	47 to 62	10C045RW	Chloroform	0.2 F	µg/L
			<b>cis-1,2-DCE</b>	<b>36.9</b>	µg/L
			Methane	0.2 F	µg/L
			PCE	2.12	µg/L
			<b>TCE</b>	<b>169</b>	µg/L
			trans-1,2-DCE	0.13 F	µg/L
3/23/2005			Chloroform	0.16 F	µg/L
			<b>cis-1,2-DCE</b>	<b>27.6</b>	µg/L
			Lactic acid	1.49	mg/L
			Methane	0.13 F	µg/L
			PCE	1.66	µg/L
			<b>TCE</b>	<b>124</b>	µg/L
			trans-1,2-DCE	0.15 F	µg/L

## Notes:

Results shown in **bold** exceed the state MCL.

bgs = below ground surface

F = The analyte was positively identified, but the associated numerical value is at or below the reporting limit.

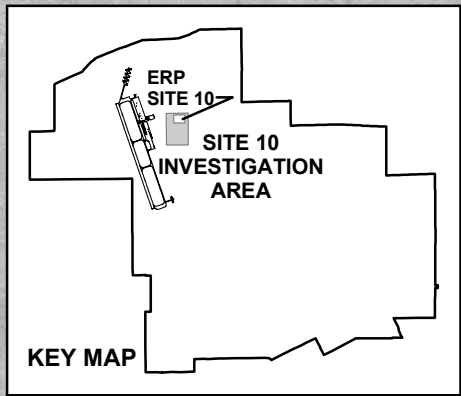
MEK = methylethyl ketone

PCE = tetrachloroethylene

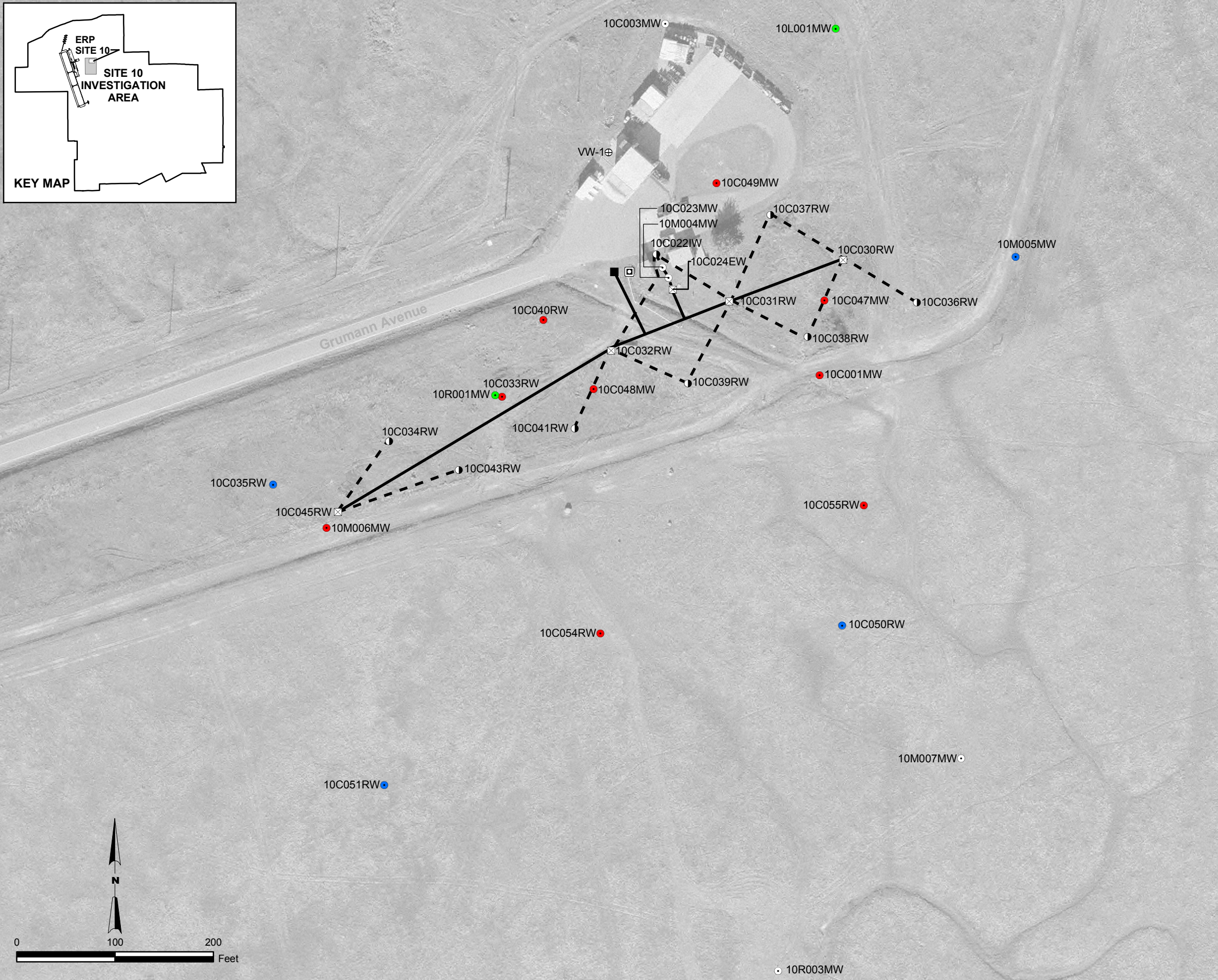
TCA = trichloroethane

TECA = tetrachloroethane

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KEY MAP

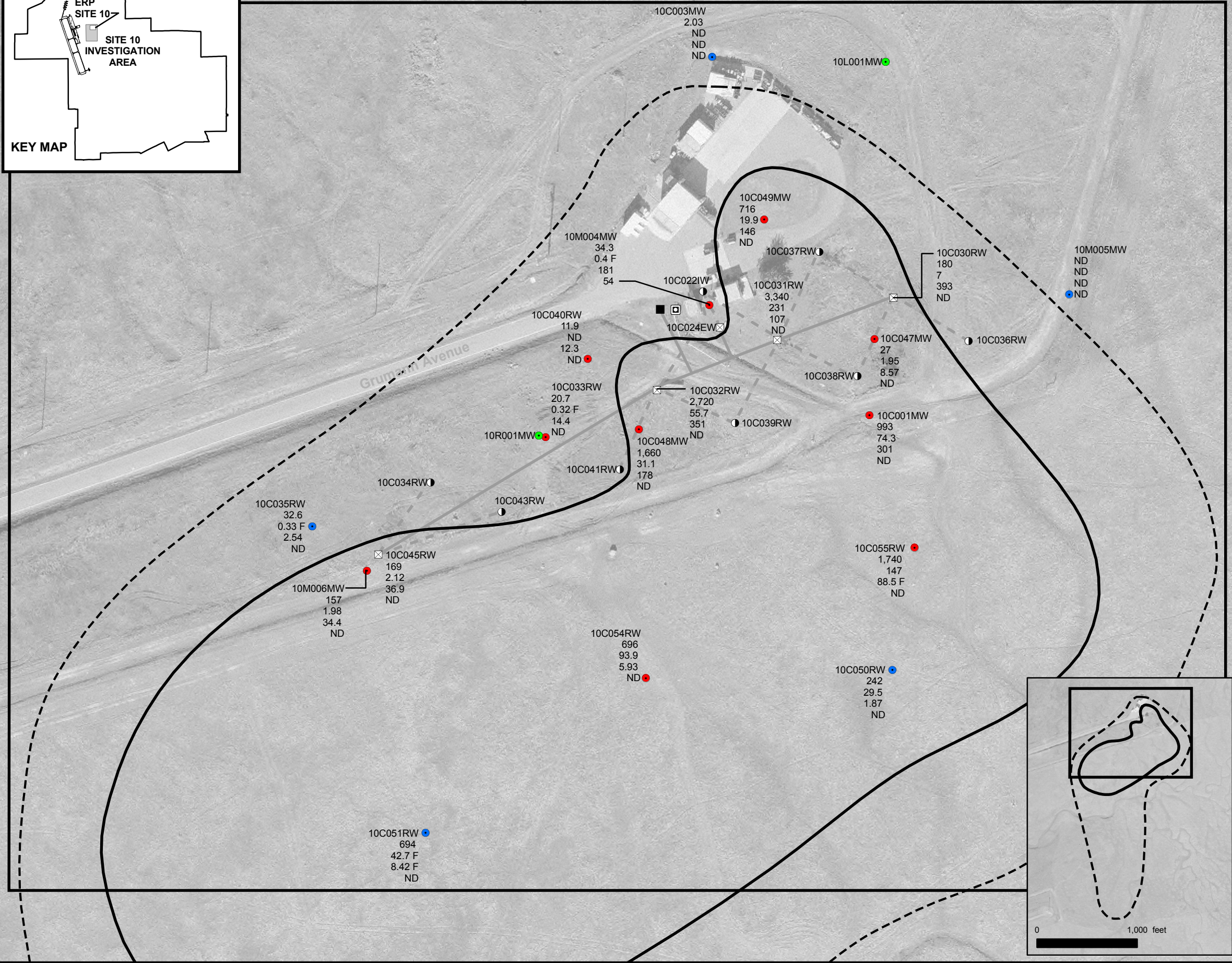
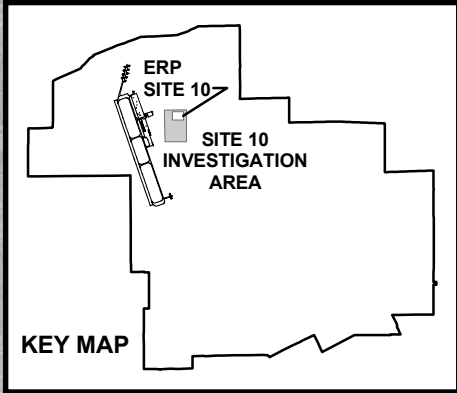


**LEGEND**

**COMPONENTS OF EISB SYSTEM (YEAR 1):**

- EXTRACTION WELL
- INJECTION WELL
- PERFORMANCE MONITORING WELL
- COMPLIANCE MONITORING WELL (UPPER ZONE)
- COMPLIANCE MONITORING WELL (LOWER ZONE)
- MONITORING WELL
- SOIL VAPOR EXTRACTION WELL
- LACTATE/AIR CONVEYANCE
- GROUNDWATER CONVEYANCE
- CONTROL SHED
- LACTATE STORAGE SHED

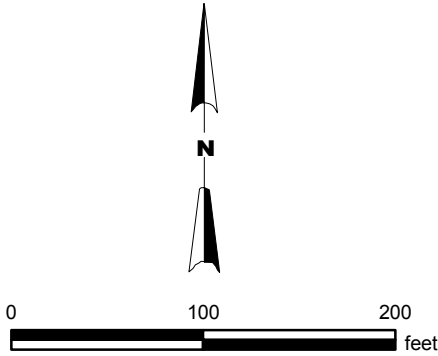
**FIGURE B-1**  
**SITE 10 EISB TREATMENT SYSTEM**  
**LAYOUT AND SAMPLE LOCATIONS,**  
**TRANSECT 1**  
SITE 10 EISB TREATMENT SYSTEM MONITORING DATA  
LTO&M FIRST QUARTER 2005 REPORT  
BEALE AIR FORCE BASE, CALIFORNIA



**LEGEND**

- ☒ EXTRACTION WELL
- INJECTION WELL
- PERFORMANCE MONITORING WELL
- COMPLIANCE MONITORING WELL (UPPER ZONE)
- COMPLIANCE MONITORING WELL (LOWER ZONE)
- 36.7 TCE CONCENTRATION (µg/L)
- 1.26 PCE CONCENTRATION (µg/L)
- 145 cis-1,2-DCE CONCENTRATION (µg/L)
- 38.5 VINYL CHLORIDE CONCENTRATION (µg/L)
- TCE CONCENTRATION CONTOUR (5 µg/L)
- TCE CONCENTRATION CONTOUR (100 µg/L)
- CONTROL SHED
- LACTATE STORAGE SHED
- LACTATE/AIR CONVEYANCE
- - - GROUNDWATER CONVEYANCE

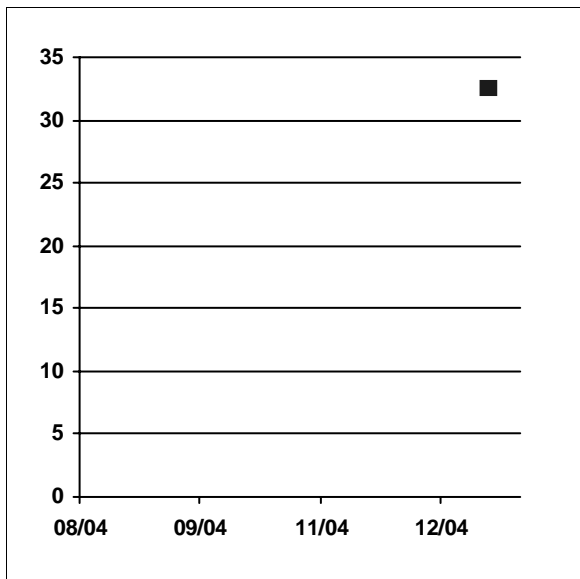
- NOTES:
1. F = ANALYTE WAS DETECTED AT A CONCENTRATION LESS THAN THE REPORTING LIMIT BUT GREATER THAN THE METHOD DETECTION LIMIT.
  2. M = A MATRIX EFFECT WAS IDENTIFIED IN THE MS/MSD SAMPLES. RECOVERY OF THE ANALYTE FROM THE NATIVE SAMPLE IS CONSIDERED TO HAVE BEEN AFFECTED BY THE NATURE OF THE MATRIX.
  3. ND = ANALYTE WAS NOT DETECTED AT THE SPECIFIED DETECTION LIMIT.



**FIGURE B-2  
RESULTS OF POST-RECIRCULATION  
SAMPLING**  
SITE 10 EISB TREATMENT SYSTEM MONITORING DATA  
LTO&M FIRST QUARTER 2005 REPORT  
BEALE AIR FORCE BASE, CALIFORNIA

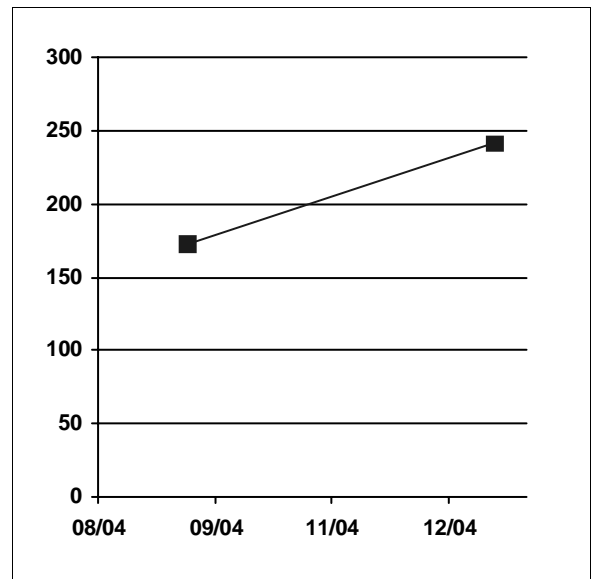
**Attachment B1**  
**TCE Concentration Versus Time Graphs**

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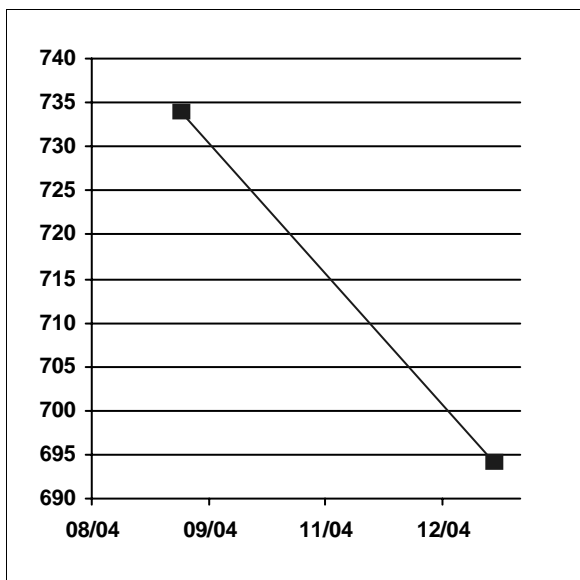
Location: 10C035RW

Maximum Value: 32.6



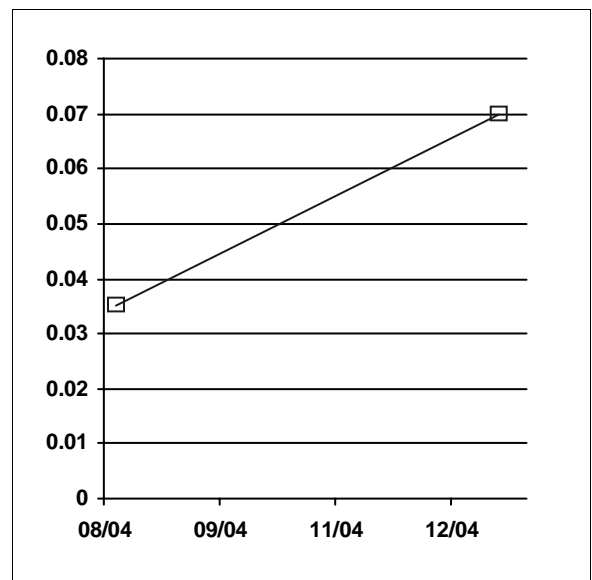
Location: 10C050RW

Maximum Value: 242



Location: 10C051RW

Maximum Value: 734



Location: 10M005MW

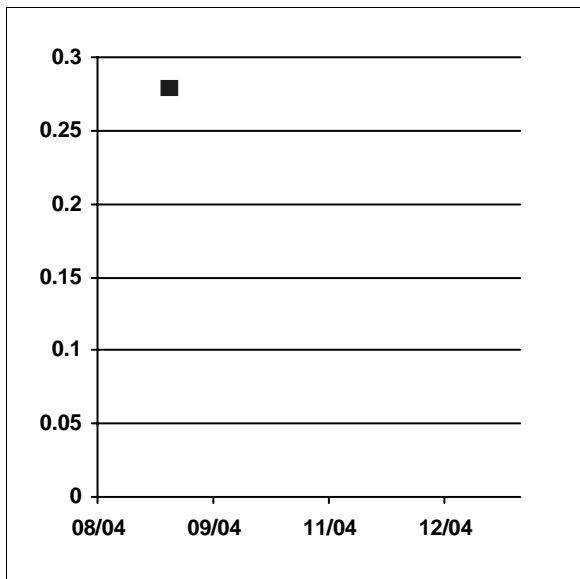
Maximum Value: 0.07

NOTES:

1. AN OPEN SYMBOL REPRESENTS A NONDETECT VALUE.
2. TCE VALUES REPRESENT CONCENTRATIONS IN GROUNDWATER (MICROGRAMS PER LITER).

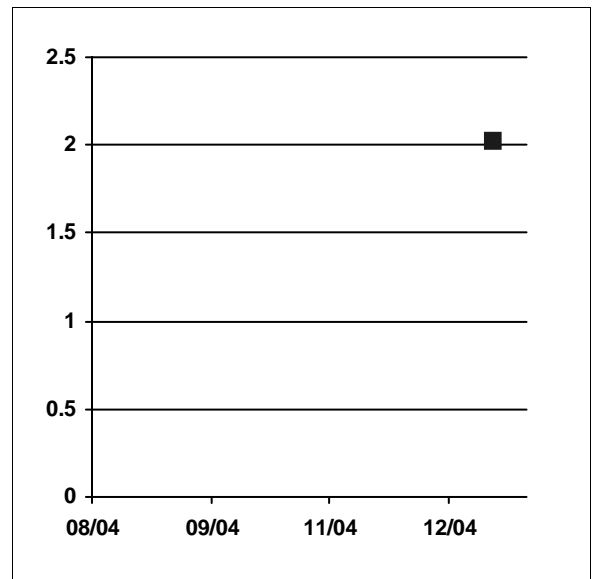
# **ATTACHMENT B1-1 (PAGE 1 of 2)** **TCE CONCENTRATION VERSUS** **TIME AT SITE 10 COMPLIANCE WELLS**

SITE 10 EISB TREATMENT SYSTEM MONITORING DATA  
LTO&M FIRST QUARTER 2005 REPORT  
BEALE AIR FORCE BASE, CALIFORNIA



Location: 10R001MW

Maximum Value: 0.28



Location: 10C003MW

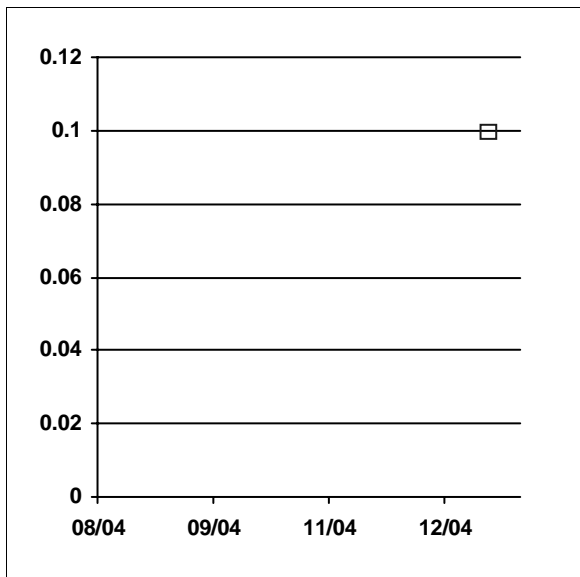
Maximum Value: 2.03

NOTES:

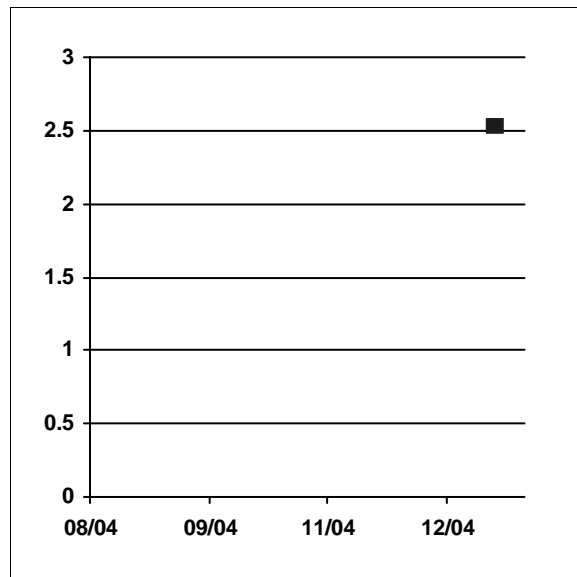
1. AN OPEN SYMBOL REPRESENTS A NONDETECT VALUE.
2. TCE VALUES REPRESENT CONCENTRATIONS IN GROUNDWATER (MICROGRAMS PER LITER).

**ATTACHMENT B1-1 (PAGE 2 of 2)**  
**TCE CONCENTRATION VERSUS**  
**TIME AT SITE 10 COMPLIANCE WELLS**

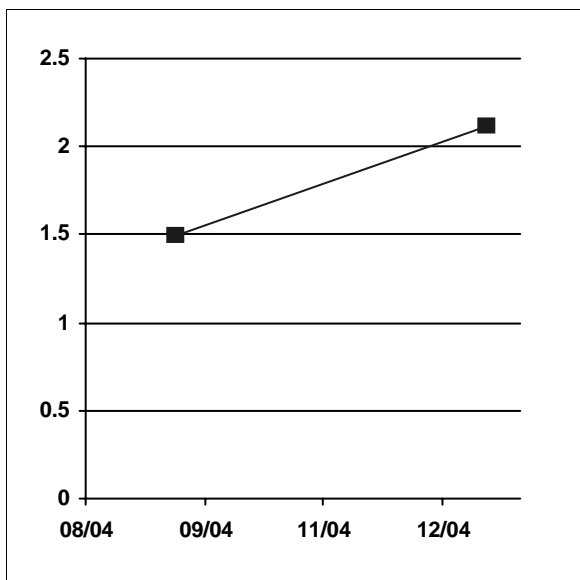
SITE 10 EISB TREATMENT SYSTEM MONITORING DATA  
 LTO&M FIRST QUARTER 2005 REPORT  
 BEALE AIR FORCE BASE, CALIFORNIA



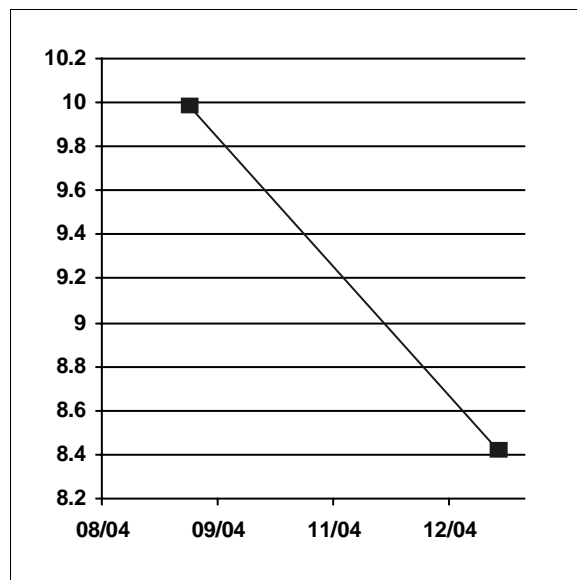
Location: 10C003MW Maximum Value: 0.1



Location: 10C035RW Maximum Value: 2.54



Location: 10C050RW Maximum Value: 2.12



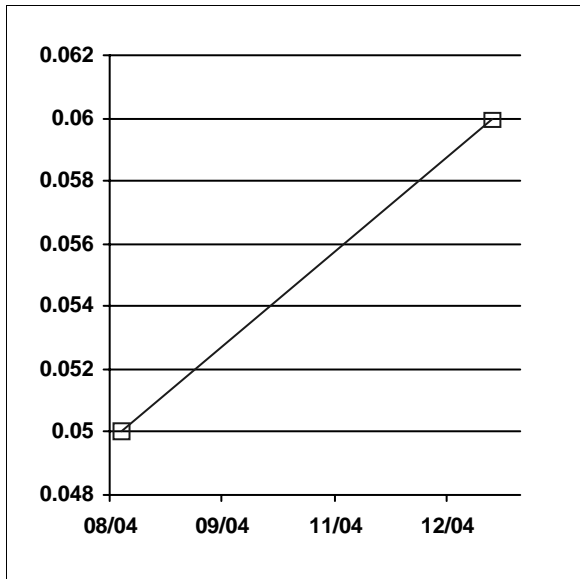
Location: 10C051RW Maximum Value: 9.98

NOTES:

1. AN OPEN SYMBOL REPRESENTS A NONDETECT VALUE.
2. CIS-1,2-DCE VALUES REPRESENT CONCENTRATIONS IN GROUNDWATER (MICROGRAMS PER LITER).

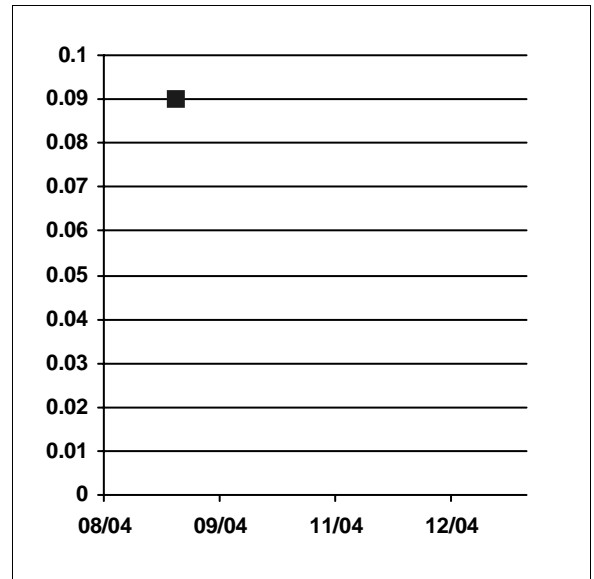
**ATTACHMENT B1-2 (PAGE 1 of 2)**  
**CIS-1,2-DCE CONCENTRATION VERSUS**  
**TIME AT SITE 10 COMPLIANCE WELLS**

SITE 10 EISB TREATMENT SYSTEM MONITORING DATA  
 LTO&M FIRST QUARTER 2005 REPORT  
 BEALE AIR FORCE BASE, CALIFORNIA



Location: 10M005MW

Maximum Value: 0.06



Location: 10R001MW

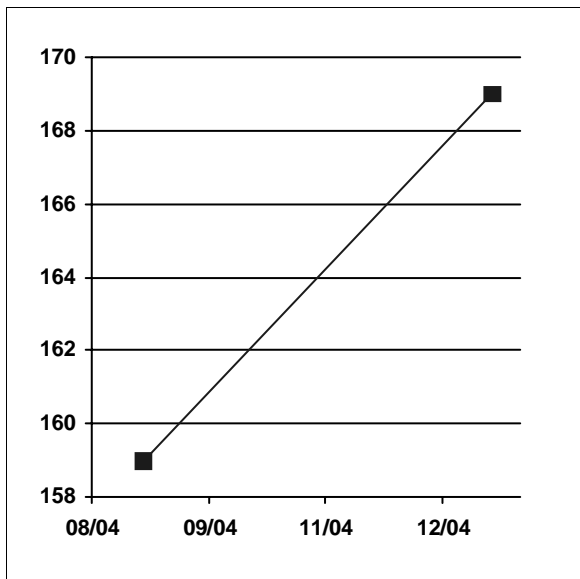
Maximum Value: 0.09

NOTES:

1. AN OPEN SYMBOL REPRESENTS A NONDETECT VALUE.
2. CIS-1,2-DCE VALUES REPRESENT CONCENTRATIONS IN GROUNDWATER (MICROGRAMS PER LITER).

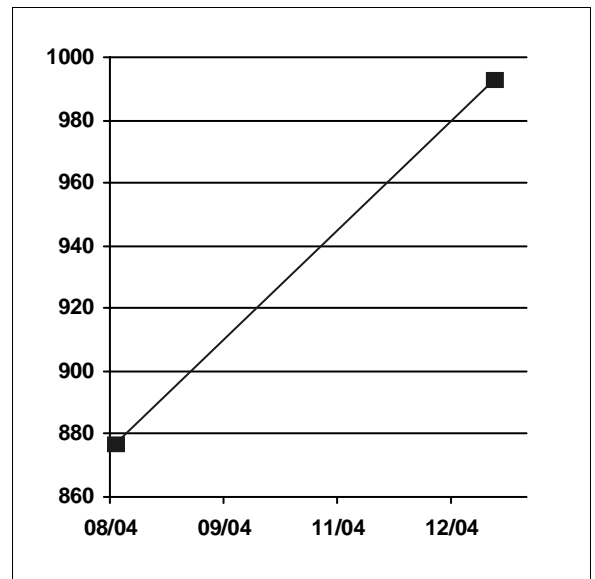
**ATTACHMENT B1-2 (PAGE 2 of 2)**  
**CIS-1,2-DCE CONCENTRATION VERSUS**  
**TIME AT SITE 10 COMPLIANCE WELLS**

SITE 10 EISB TREATMENT SYSTEM MONITORING DATA  
 LTO&M FIRST QUARTER 2005 REPORT  
 BEALE AIR FORCE BASE, CALIFORNIA



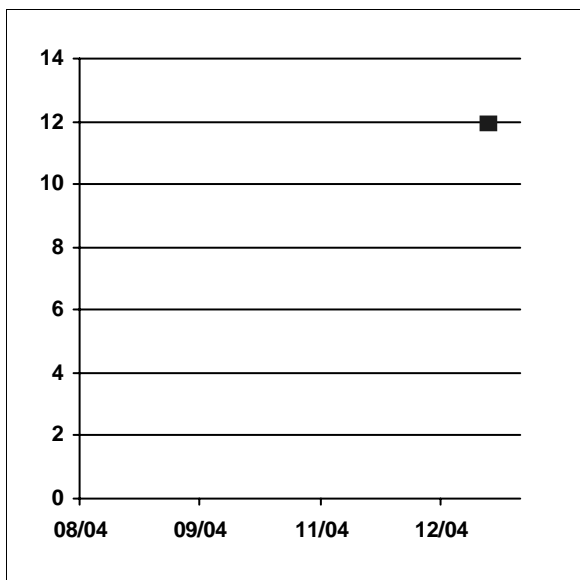
Location: 10C045RW

Maximum Value: 169



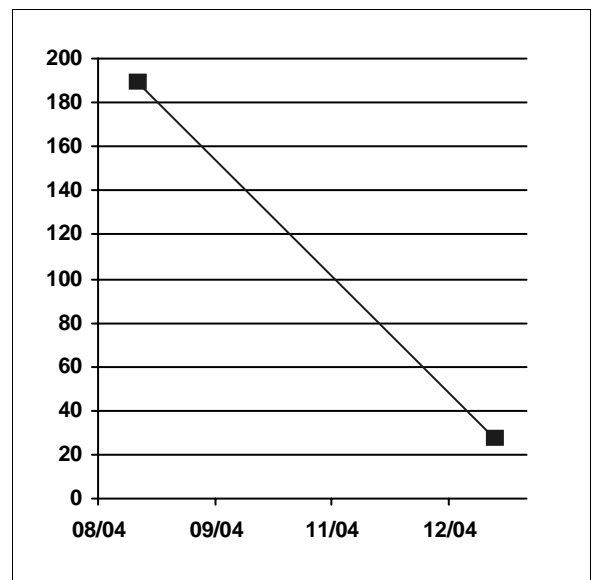
Location: 10C001MW

Maximum Value: 993



Location: 10C040RW

Maximum Value: 11.9



Location: 10C047MW

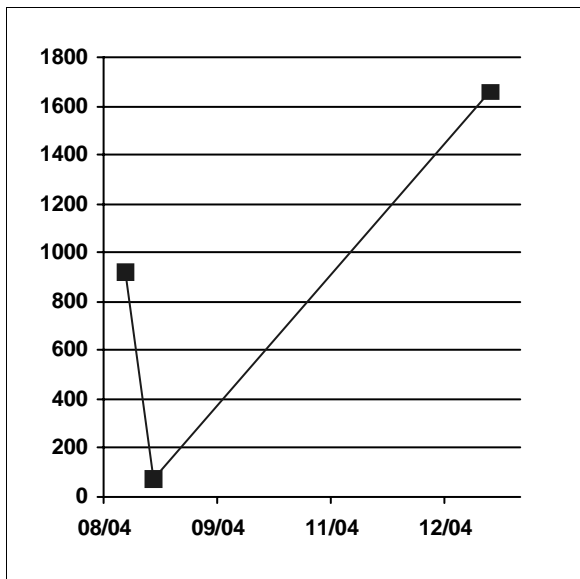
Maximum Value: 189

NOTES:

1. AN OPEN SYMBOL REPRESENTS A NONDETECT VALUE.
2. TCE VALUES REPRESENT CONCENTRATIONS IN GROUNDWATER (MICROGRAMS PER LITER).

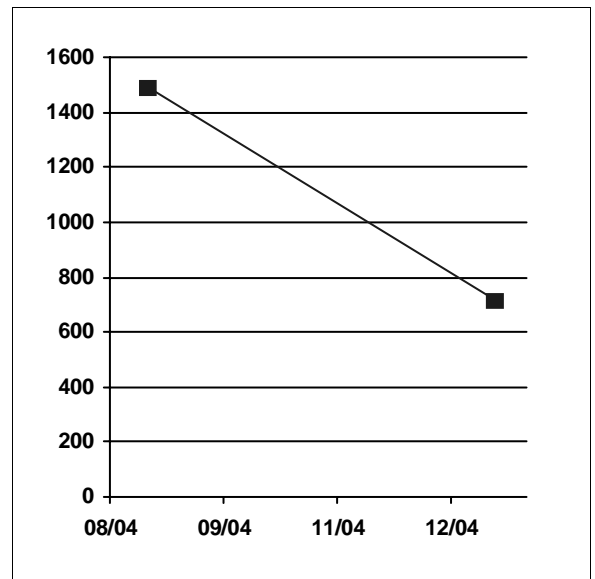
**ATTACHMENT B1-3 (PAGE 1 of 3)**  
**TCE CONCENTRATION VERSUS**  
**TIME AT SITE 10 PERFORMANCE WELLS**

SITE 10 EISB TREATMENT SYSTEM MONITORING DATA  
 LTO&M FIRST QUARTER 2005 REPORT  
 BEALE AIR FORCE BASE, CALIFORNIA



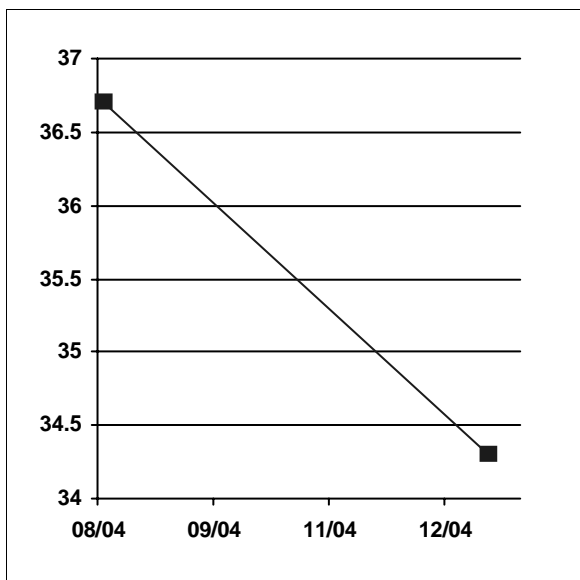
Location: 10C048MW

Maximum Value: 1660



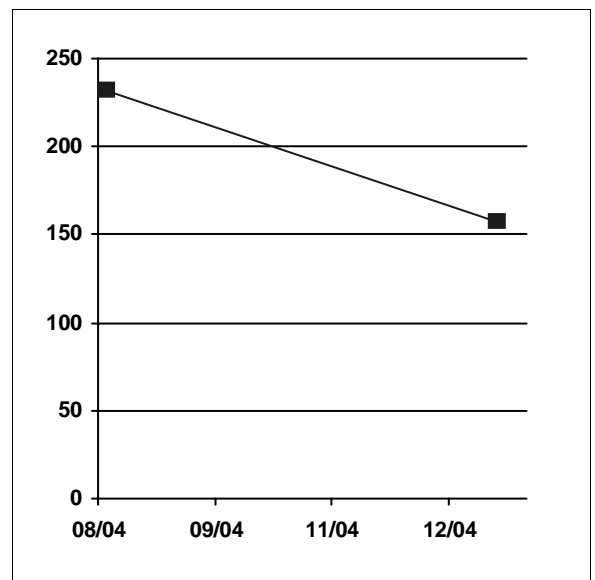
Location: 10C049MW

Maximum Value: 1490



Location: 10M004MW

Maximum Value: 36.7



Location: 10M006MW

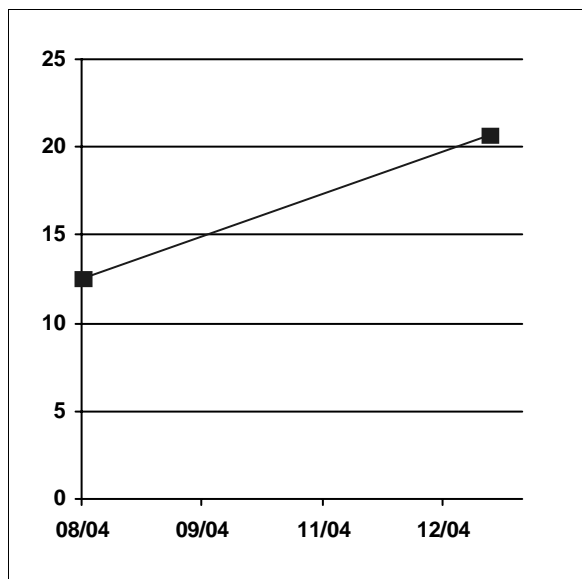
Maximum Value: 232

NOTES:

1. AN OPEN SYMBOL REPRESENTS A NONDETECT VALUE.
2. TCE VALUES REPRESENT CONCENTRATIONS IN GROUNDWATER (MICROGRAMS PER LITER).

**ATTACHMENT B1-3 (PAGE 2 of 3)**  
**TCE CONCENTRATION VERSUS**  
**TIME AT SITE 10 PERFORMANCE WELLS**

SITE 10 EISB TREATMENT SYSTEM MONITORING DATA  
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 BEALE AIR FORCE BASE, CALIFORNIA



Location: 10C033RW

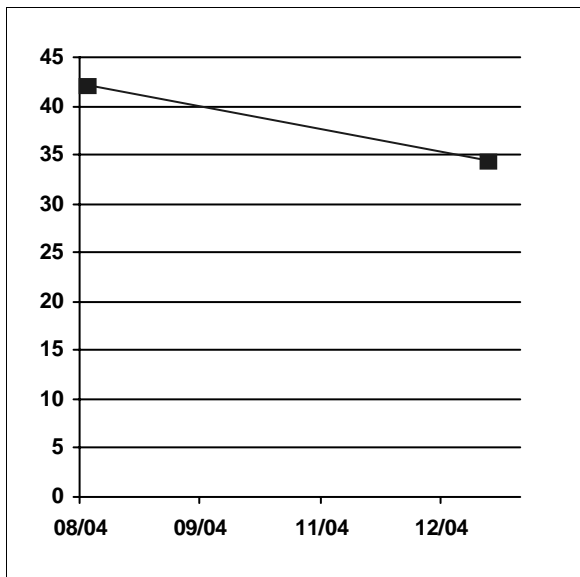
Maximum Value: 20.7

NOTES:

1. AN OPEN SYMBOL REPRESENTS A NONDETECT VALUE.
2. TCE VALUES REPRESENT CONCENTRATIONS IN GROUNDWATER (MICROGRAMS PER LITER).

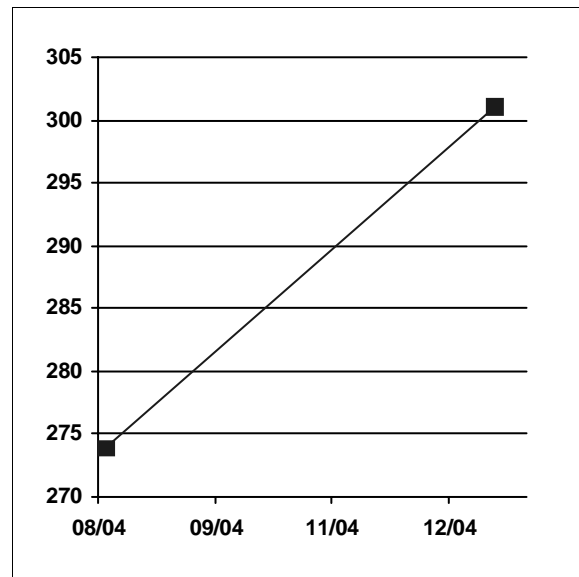
**ATTACHMENT B1-3 (PAGE 3 of 3)**  
**TCE CONCENTRATION VERSUS**  
**TIME AT SITE 10 PERFORMANCE WELLS**

SITE 10 EISB TREATMENT SYSTEM MONITORING DATA  
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BEALE AIR FORCE BASE, CALIFORNIA



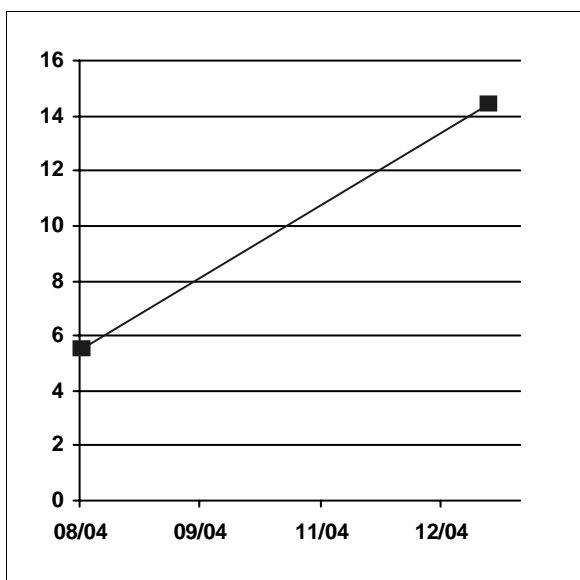
Location: 10M006MW

Maximum Value: 42.1



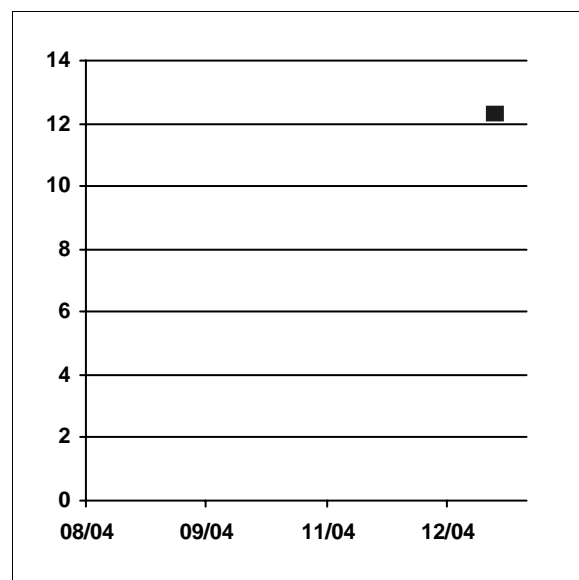
Location: 10C001MW

Maximum Value: 301



Location: 10C033RW

Maximum Value: 14.4



Location: 10C040RW

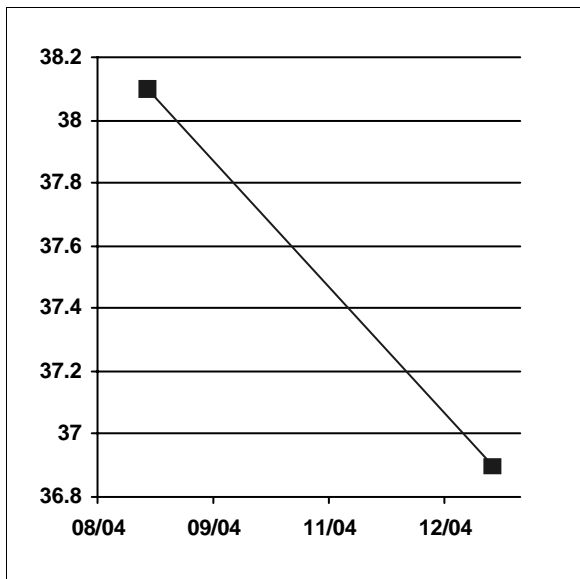
Maximum Value: 12.3

NOTES:

1. AN OPEN SYMBOL REPRESENTS A NONDETECT VALUE.
2. CIS-1,2-DCE VALUES REPRESENT CONCENTRATIONS IN GROUNDWATER (MICROGRAMS PER LITER).

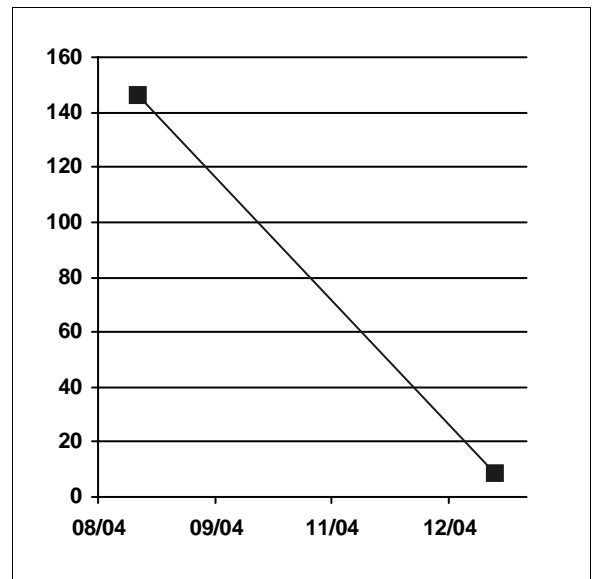
**ATTACHMENT B1-4 (PAGE 1 of 3)**  
**CIS-1,2-DCE CONCENTRATION VERSUS**  
**TIME AT SITE 10 PERFORMANCE WELLS**

SITE 10 EISB TREATMENT SYSTEM MONITORING DATA  
 LTO&M FIRST QUARTER 2005 REPORT  
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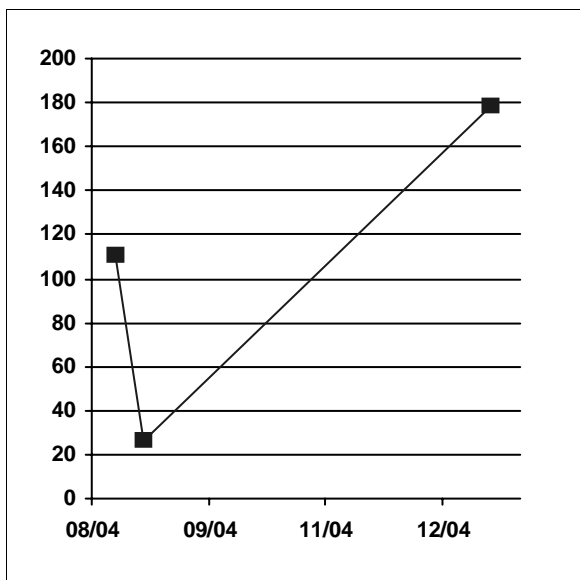
Location: 10C045RW

Maximum Value: 38.1



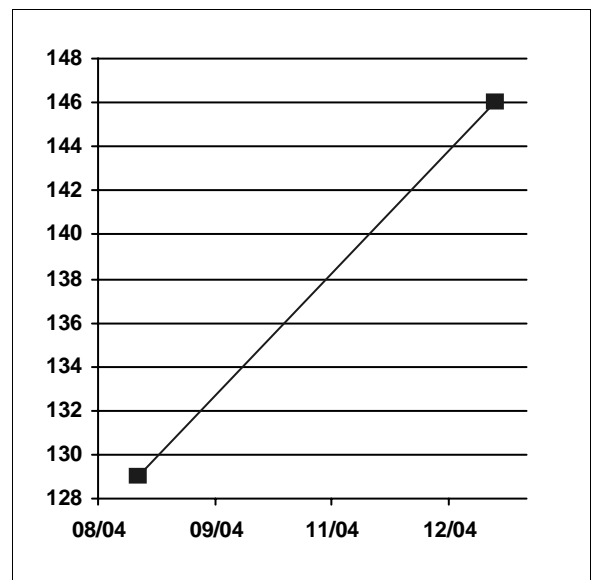
Location: 10C047MW

Maximum Value: 146



Location: 10C048MW

Maximum Value: 178



Location: 10C049MW

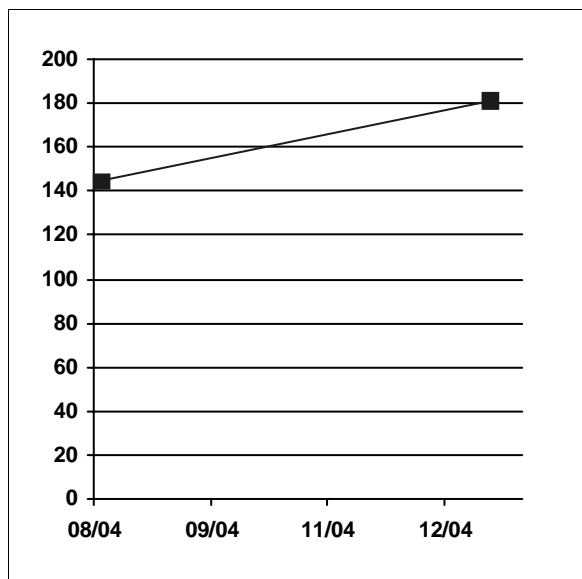
Maximum Value: 146

NOTES:

1. AN OPEN SYMBOL REPRESENTS A NONDETECT VALUE.
2. CIS-1,2-DCE VALUES REPRESENT CONCENTRATIONS IN GROUNDWATER (MICROGRAMS PER LITER).

**ATTACHMENT B1-4 (PAGE 2 of 3)**  
**CIS-1,2-DCE CONCENTRATION VERSUS**  
**TIME AT SITE 10 PERFORMANCE WELLS**

SITE 10 EISB TREATMENT SYSTEM MONITORING DATA  
 LTO&M FIRST QUARTER 2005 REPORT  
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Location: 10M004MW

Maximum Value: 181

NOTES:

1. AN OPEN SYMBOL REPRESENTS A NONDETECT VALUE.
2. CIS-1,2-DCE VALUES REPRESENT CONCENTRATIONS IN GROUNDWATER (MICROGRAMS PER LITER).

**ATTACHMENT B1-4 (PAGE 3 of 3)**  
**CIS-1,2-DCE CONCENTRATION VERSUS**  
**TIME AT SITE 10 PERFORMANCE WELLS**

SITE 10 EISB TREATMENT SYSTEM MONITORING DATA  
LTO&M FIRST QUARTER 2005 REPORT  
BEALE AIR FORCE BASE, CALIFORNIA

**Attachment B2**  
**Site 10 EISB Treatment System, Validated**  
**Analytical Data, First Quarter 2005**

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# ATTACHMENT B2

## Summary of Site 10 EISB Treatment System Analytical Data, First Quarter 2005

LTO&M First Quarter 2005 Report, Beale Air Force Base, California – Site 10 EISB Treatment System Monitoring Data

Sample Location	Sample Date	Method	Analyte	CAS No.	QA/QC Type	Result	Flag	Units	Reporting Limit	Method Detection Limit
<b>Site 10 EISB Treatment System – Compliance Monitoring Well Results</b>										
10C003MW	1/17/2005	E300.0M	Acetic Acid	64-19-7	N	0.021	U	mg/L	0.1	0.021
		E300.0M	Lactic Acid	50-21-5	N	0.0083	U	mg/L	0.1	0.0083
		E300.0M	Propionic Acid	79-09-4	N	0.01	U	mg/L	0.1	0.01
		RSK-175	Ethane	74-84-0	N	0.031	U	µg/L	0.75	0.031
		RSK-175	Ethene	74-85-1	N	0.031	U	µg/L	0.76	0.031
		RSK-175	Methane	74-82-8	N	0.6		µg/L	0.56	0.018
		SW6010	Manganese, dissolved	7439-96-5_D	N	0.0003	U	mg/L	0.01	0.0003
		SW8260	1,1,1,2-Tetrachloroethane	630-20-6	N	0.09	U	µg/L	0.5	0.09
		SW8260	1,1,1-TCA	71-55-6	N	0.11	U	µg/L	1	0.11
		SW8260	1,1,2,2-Tetrachloroethane	79-34-5	N	0.11	U	µg/L	0.5	0.11
		SW8260	1,1,2-TCA	79-00-5	N	0.14	U	µg/L	1	0.14
		SW8260	1,1-DCA	75-34-3	N	0.13	U	µg/L	1	0.13
		SW8260	1,1-DCE	75-35-4	N	0.13	U	µg/L	1	0.13
		SW8260	1,1-Dichloropropene	563-58-6	N	0.07	U	µg/L	1	0.07
		SW8260	1,2,3-Trichlorobenzene	87-61-6	N	0.07	U	µg/L	1	0.07
		SW8260	1,2,3-Trichloropropane	96-18-4	N	0.11	U	µg/L	1	0.11
		SW8260	1,2,4-Trichlorobenzene	120-82-1	N	0.08	U	µg/L	1	0.08
		SW8260	1,2,4-Trimethylbenzene	95-63-6	N	0.07	U	µg/L	1	0.07
		SW8260	1,2-DCA	107-06-2	N	0.1	U	µg/L	0.5	0.1
		SW8260	1,2-DCB	95-50-1	N	0.11	U	µg/L	1	0.11
		SW8260	1,2-Dibromo-3-chloropropane	96-12-8	N	0.12	U	µg/L	2	0.12
		SW8260	1,2-Dichloropropane	78-87-5	N	0.12	U	µg/L	1	0.12
		SW8260	1,2-EDB	106-93-4	N	0.09	U	µg/L	1	0.09
		SW8260	1,3,5-Trimethylbenzene	108-67-8	N	0.08	U	µg/L	1	0.08
		SW8260	1,3-DCB	541-73-1	N	0.1	U	µg/L	1	0.1
		SW8260	1,3-Dichloropropane	142-28-9	N	0.09	U	µg/L	0.4	0.09
		SW8260	1,4-DCB	106-46-7	N	0.13	U	µg/L	0.5	0.13
		SW8260	1-Chlorohexane	544-10-5	N	0.06	U	µg/L	1	0.06
		SW8260	2,2-Dichloropropane	594-20-7	N	0.12	U	µg/L	1	0.12
		SW8260	2-Chlorotoluene	95-49-8	N	0.08	U	µg/L	1	0.08
		SW8260	4-Chlorotoluene	106-43-4	N	0.07	U	µg/L	1	0.07
		SW8260	Acetone	67-64-1	N	1.8	F	µg/L	10	0.6
		SW8260	Benzene	71-43-2	N	0.07	U	µg/L	0.4	0.07

**ATTACHMENT B2**

Summary of Site 10 EISB Treatment System Analytical Data, First Quarter 2005

LTO&M First Quarter 2005 Report, Beale Air Force Base, California – Site 10 EISB Treatment System Monitoring Data

Sample Location	Sample Date	Method	Analyte	CAS No.	QA/QC Type	Result	Flag	Units	Reporting Limit	Method Detection Limit
<b>Site 10 EISB Treatment System – Compliance Monitoring Well Results</b>										
10C003MW	1/17/2005	SW8260	Bromobenzene	108-86-1	N	0.11	U	µg/L	1	0.11
		SW8260	Bromochloromethane	74-97-5	N	0.13	U	µg/L	1	0.13
		SW8260	Bromodichloromethane	75-27-4	N	0.12	U	µg/L	0.5	0.12
		SW8260	Bromoform	75-25-2	N	0.08	U	µg/L	1	0.08
		SW8260	Bromomethane	74-83-9	N	0.23	U	µg/L	3	0.23
		SW8260	Carbon Tetrachloride	56-23-5	N	0.08	U	µg/L	1	0.08
		SW8260	Chlorobenzene	108-90-7	N	0.12	U	µg/L	0.5	0.12
		SW8260	Chloroethane	75-00-3	N	0.2	U	µg/L	1	0.2
		SW8260	Chloroform	67-66-3	N	0.13	U	µg/L	0.3	0.13
		SW8260	Chloromethane	74-87-3	N	0.15	U	µg/L	1	0.15
		SW8260	cis-1,2-DCE	156-59-2	N	0.1	U	µg/L	1	0.1
		SW8260	cis-1,3-Dichloropropene	10061-01-5	N	0.1	U	µg/L	0.5	0.1
		SW8260	Dibromochloromethane	124-48-1	N	0.09	U	µg/L	0.5	0.09
		SW8260	Dibromomethane	74-95-3	N	0.11	U	µg/L	1	0.11
		SW8260	Dichlorodifluoromethane	75-71-8	N	0.13	U	µg/L	1	0.13
		SW8260	Ethylbenzene	100-41-4	N	0.08	U	µg/L	1	0.08
		SW8260	Hexachlorobutadiene	87-68-3	N	0.09	U	µg/L	0.6	0.09
		SW8260	Isopropylbenzene	98-82-8	N	0.08	U	µg/L	1	0.08
		SW8260	m,p-Xylene	108-38-3/1	N	0.14	U	µg/L	2	0.14
		SW8260	MEK (2-Butanone)	78-93-3	N	0.2	U	µg/L	10	0.2
		SW8260	Methyl t-butyl ether (MtBE)	1634-04-4	N	0.15	U	µg/L	5	0.15
		SW8260	Methylene Chloride	75-09-2	N	0.2	U	µg/L	1	0.2
		SW8260	MIBK (methyl isobutyl ketone)	108-10-1	N	0.1	U	µg/L	10	0.1
		SW8260	Naphthalene	91-20-3	N	0.05	U	µg/L	1	0.05
		SW8260	n-Butylbenzene	104-51-8	N	0.09	U	µg/L	1	0.09
		SW8260	n-Propylbenzene	103-65-1	N	0.08	U	µg/L	1	0.08
		SW8260	o-Xylene	95-47-6	N	0.09	U	µg/L	1	0.09
		SW8260	p-Isopropyltoluene	99-87-6	N	0.09	U	µg/L	1	0.09
		SW8260	sec-Butylbenzene	135-98-8	N	0.07	U	µg/L	1	0.07
		SW8260	Styrene	100-42-5	N	0.08	U	µg/L	1	0.08
		SW8260	TCE	79-01-6	N	2.03		µg/L	1	0.1
		SW8260	Tert-Butylbenzene	98-06-6	N	0.07	U	µg/L	1	0.07
		SW8260	Tetrachloroethylene	127-18-4	N	0.07	U	µg/L	1	0.07

**ATTACHMENT B2**

Summary of Site 10 EISB Treatment System Analytical Data, First Quarter 2005

LTO&M First Quarter 2005 Report, Beale Air Force Base, California – Site 10 EISB Treatment System Monitoring Data

Sample Location	Sample Date	Method	Analyte	CAS No.	QA/QC Type	Result	Flag	Units	Reporting Limit	Method Detection Limit
<b>Site 10 EISB Treatment System – Compliance Monitoring Well Results</b>										
10C003MW	1/17/2005	SW8260	Toluene	108-88-3	N	0.08	U	µg/L	1	0.08
		SW8260	trans-1,2-DCE	156-60-5	N	0.09	U	µg/L	1	0.09
		SW8260	trans-1,3-Dichloropropene	10061-02-6	N	0.07	U	µg/L	1	0.07
		SW8260	Trichlorofluoromethane	75-69-4	N	0.17	U	µg/L	1	0.17
		SW8260	Vinyl Chloride	75-01-4	N	0.21	U	µg/L	1	0.21
	3/21/2005	SW9056	Bromide	BROMIDE	N	0.0072	U	mg/L	0.5	0.0072
		E300.0M	Acetic Acid	64-19-7	N	0.0077	U	mg/L	0.1	0.0077
		E300.0M	Lactic Acid	50-21-5	N	0.011	U	mg/L	0.1	0.011
		E300.0M	Propionic Acid	79-09-4	N	0.0091	U	mg/L	0.1	0.0091
		RSK-175	Ethane	74-84-0	N	0.032	U	µg/L	0.78	0.032
		RSK-175	Ethene	74-85-1	N	0.033	U	µg/L	0.79	0.033
		RSK-175	Methane	74-82-8	N	0.14	F	µg/L	0.58	0.019
		SW6010	Manganese, dissolved	7439-96-5_D	N	0.0006	U	mg/L	0.01	0.0006
		SW8260	1,1,1,2-Tetrachloroethane	630-20-6	N	0.06	U	µg/L	0.5	0.06
		SW8260	1,1,1-TCA	71-55-6	N	0.08	U	µg/L	1	0.08
		SW8260	1,1,2,2-Tetrachloroethane	79-34-5	N	0.06	U	µg/L	0.5	0.06
		SW8260	1,1,2-TCA	79-00-5	N	0.07	U	µg/L	1	0.07
		SW8260	1,1-DCA	75-34-3	N	0.06	U	µg/L	1	0.06
		SW8260	1,1-DCE	75-35-4	N	0.07	U	µg/L	1	0.07
		SW8260	1,1-Dichloropropene	563-58-6	N	0.05	U	µg/L	1	0.05
		SW8260	1,2,3-Trichlorobenzene	87-61-6	N	0.09	U	µg/L	1	0.09
		SW8260	1,2,3-Trichloropropane	96-18-4	N	0.08	U	µg/L	1	0.08
		SW8260	1,2,4-Trichlorobenzene	120-82-1	N	0.06	U	µg/L	1	0.06
		SW8260	1,2,4-Trimethylbenzene	95-63-6	N	0.05	U	µg/L	1	0.05
		SW8260	1,2-DCA	107-06-2	N	0.09	U	µg/L	0.5	0.09
		SW8260	1,2-DCB	95-50-1	N	0.06	U	µg/L	1	0.06
		SW8260	1,2-Dibromo-3-chloropropane	96-12-8	N	0.12	U	µg/L	2	0.12
		SW8260	1,2-Dichloropropane	78-87-5	N	0.04	U	µg/L	1	0.04
		SW8260	1,2-EDB	106-93-4	N	0.07	U	µg/L	1	0.07
		SW8260	1,3,5-Trimethylbenzene	108-67-8	N	0.06	U	µg/L	1	0.06
		SW8260	1,3-DCB	541-73-1	N	0.06	U	µg/L	1	0.06
		SW8260	1,3-Dichloropropane	142-28-9	N	0.05	U	µg/L	0.4	0.05
		SW8260	1,4-DCB	106-46-7	N	0.07	U	µg/L	0.5	0.07

**ATTACHMENT B2**

Summary of Site 10 EISB Treatment System Analytical Data, First Quarter 2005

LTO&M First Quarter 2005 Report, Beale Air Force Base, California – Site 10 EISB Treatment System Monitoring Data

Sample Location	Sample Date	Method	Analyte	CAS No.	QA/QC Type	Result	Flag	Units	Reporting Limit	Method Detection Limit
<b>Site 10 EISB Treatment System – Compliance Monitoring Well Results</b>										
10C003MW	3/21/2005	SW8260	1-Chlorohexane	544-10-5	N	0.06	U	µg/L	1	0.06
		SW8260	2,2-Dichloropropane	594-20-7	N	0.09	U	µg/L	1	0.09
		SW8260	2-Chlorotoluene	95-49-8	N	0.06	U	µg/L	1	0.06
		SW8260	4-Chlorotoluene	106-43-4	N	0.06	U	µg/L	1	0.06
		SW8260	Acetone	67-64-1	N	0.5	U	µg/L	10	0.5
		SW8260	Benzene	71-43-2	N	0.06	U	µg/L	0.4	0.06
		SW8260	Bromobenzene	108-86-1	N	0.07	U	µg/L	1	0.07
		SW8260	Bromochloromethane	74-97-5	N	0.09	U	µg/L	1	0.09
		SW8260	Bromodichloromethane	75-27-4	N	0.07	U	µg/L	0.5	0.07
		SW8260	Bromoform	75-25-2	N	0.39	F	µg/L	1	0.08
		SW8260	Bromomethane	74-83-9	N	0.1	U	µg/L	3	0.1
		SW8260	Carbon Tetrachloride	56-23-5	N	0.06	U	µg/L	1	0.06
		SW8260	Chlorobenzene	108-90-7	N	0.07	U	µg/L	0.5	0.07
		SW8260	Chloroethane	75-00-3	N	0.03	U	µg/L	1	0.03
		SW8260	Chloroform	67-66-3	N	0.09	U	µg/L	0.3	0.09
		SW8260	Chloromethane	74-87-3	N	0.04	U	µg/L	1	0.04
		SW8260	cis-1,2-DCE	156-59-2	N	0.06	U	µg/L	1	0.06
		SW8260	cis-1,3-Dichloropropene	10061-01-5	N	0.07	U	µg/L	0.5	0.07
		SW8260	Dibromochloromethane	124-48-1	N	0.18	F	µg/L	0.5	0.03
		SW8260	Dibromomethane	74-95-3	N	0.09	U	µg/L	1	0.09
		SW8260	Dichlorodifluoromethane	75-71-8	N	0.05	U	µg/L	1	0.05
		SW8260	Ethylbenzene	100-41-4	N	0.06	U	µg/L	1	0.06
		SW8260	Hexachlorobutadiene	87-68-3	N	0.07	U	µg/L	0.6	0.07
		SW8260	Isopropylbenzene	98-82-8	N	0.05	U	µg/L	1	0.05
		SW8260	m,p-Xylene	108-38-3/1	N	0.1	U	µg/L	2	0.1
		SW8260	MEK (2-Butanone)	78-93-3	N	0.3	U	µg/L	10	0.3
		SW8260	Methyl t-butyl ether (MtBE)	1634-04-4	N	0.06	U	µg/L	5	0.06
		SW8260	Methylene Chloride	75-09-2	N	0.07	U	µg/L	1	0.07
		SW8260	MIBK (methyl isobutyl ketone)	108-10-1	N	0.2	U	µg/L	10	0.2
		SW8260	Naphthalene	91-20-3	N	0.07	U	µg/L	1	0.07
		SW8260	n-Butylbenzene	104-51-8	N	0.06	U	µg/L	1	0.06
		SW8260	n-Propylbenzene	103-65-1	N	0.05	U	µg/L	1	0.05
		SW8260	o-Xylene	95-47-6	N	0.06	U	µg/L	1	0.06

**ATTACHMENT B2**

Summary of Site 10 EISB Treatment System Analytical Data, First Quarter 2005

LTO&M First Quarter 2005 Report, Beale Air Force Base, California – Site 10 EISB Treatment System Monitoring Data

Sample Location	Sample Date	Method	Analyte	CAS No.	QA/QC Type	Result	Flag	Units	Reporting Limit	Method Detection Limit
<b>Site 10 EISB Treatment System – Compliance Monitoring Well Results</b>										
10C003MW	3/21/2005	SW8260	p-Isopropyltoluene	99-87-6	N	0.04	U	µg/L	1	0.04
		SW8260	sec-Butylbenzene	135-98-8	N	0.06	U	µg/L	1	0.06
		SW8260	Styrene	100-42-5	N	0.05	U	µg/L	1	0.05
		SW8260	TCE	79-01-6	N	1.69		µg/L	1	0.07
		SW8260	Tert-Butylbenzene	98-06-6	N	0.06	U	µg/L	1	0.06
		SW8260	Tetrachloroethylene	127-18-4	N	0.08	U	µg/L	1	0.08
		SW8260	Toluene	108-88-3	N	0.06	U	µg/L	1	0.06
		SW8260	trans-1,2-DCE	156-60-5	N	0.07	U	µg/L	1	0.07
		SW8260	trans-1,3-Dichloropropene	10061-02-6	N	0.05	U	µg/L	1	0.05
		SW8260	Trichlorofluoromethane	75-69-4	N	0.06	U	µg/L	1	0.06
		SW8260	Vinyl Chloride	75-01-4	N	0.09	U	µg/L	1	0.09
10C035RW	1/18/2005	E300.0M	Acetic Acid	64-19-7	N	0.021	U	mg/L	0.1	0.021
		E300.0M	Lactic Acid	50-21-5	N	0.0083	U	mg/L	0.1	0.0083
		E300.0M	Propionic Acid	79-09-4	N	0.01	U	mg/L	0.1	0.01
		RSK-175	Ethane	74-84-0	N	0.034	U	µg/L	0.83	0.034
		RSK-175	Ethene	74-85-1	N	0.035	U	µg/L	0.84	0.035
		RSK-175	Methane	74-82-8	N	0.23	F	µg/L	0.62	0.02
		SW6010	Manganese, dissolved	7439-96-5_D	N	0.0013	F	mg/L	0.01	0.0003
		SW8260	1,1,1,2-Tetrachloroethane	630-20-6	N	0.09	U	µg/L	0.5	0.09
		SW8260	1,1,1-TCA	71-55-6	N	0.11	U	µg/L	1	0.11
		SW8260	1,1,2,2-Tetrachloroethane	79-34-5	N	0.11	U	µg/L	0.5	0.11
		SW8260	1,1,2-TCA	79-00-5	N	0.14	U	µg/L	1	0.14
		SW8260	1,1-DCA	75-34-3	N	0.13	U	µg/L	1	0.13
		SW8260	1,1-DCE	75-35-4	N	0.13	U	µg/L	1	0.13
		SW8260	1,1-Dichloropropene	563-58-6	N	0.07	U	µg/L	1	0.07
		SW8260	1,2,3-Trichlorobenzene	87-61-6	N	0.07	U	µg/L	1	0.07
		SW8260	1,2,3-Trichloropropane	96-18-4	N	0.11	U	µg/L	1	0.11
		SW8260	1,2,4-Trichlorobenzene	120-82-1	N	0.08	U	µg/L	1	0.08
		SW8260	1,2,4-Trimethylbenzene	95-63-6	N	0.07	U	µg/L	1	0.07
		SW8260	1,2-DCA	107-06-2	N	0.1	U	µg/L	0.5	0.1
		SW8260	1,2-DCB	95-50-1	N	0.11	U	µg/L	1	0.11
		SW8260	1,2-Dibromo-3-chloropropane	96-12-8	N	0.12	U	µg/L	2	0.12
		SW8260	1,2-Dichloropropane	78-87-5	N	0.12	U	µg/L	1	0.12

# ATTACHMENT B2

Summary of Site 10 EISB Treatment System Analytical Data, First Quarter 2005

LTO&M First Quarter 2005 Report, Beale Air Force Base, California – Site 10 EISB Treatment System Monitoring Data

Sample Location	Sample Date	Method	Analyte	CAS No.	QA/QC Type	Result	Flag	Units	Reporting Limit	Method Detection Limit
<b>Site 10 EISB Treatment System – Compliance Monitoring Well Results</b>										
10C035RW	1/18/2005	SW8260	1,2-EDB	106-93-4	N	0.09	U	µg/L	1	0.09
		SW8260	1,3,5-Trimethylbenzene	108-67-8	N	0.08	U	µg/L	1	0.08
		SW8260	1,3-DCB	541-73-1	N	0.1	U	µg/L	1	0.1
		SW8260	1,3-Dichloropropane	142-28-9	N	0.09	U	µg/L	0.4	0.09
		SW8260	1,4-DCB	106-46-7	N	0.13	U	µg/L	0.5	0.13
		SW8260	1-Chlorohexane	544-10-5	N	0.06	U	µg/L	1	0.06
		SW8260	2,2-Dichloropropane	594-20-7	N	0.12	U	µg/L	1	0.12
		SW8260	2-Chlorotoluene	95-49-8	N	0.08	U	µg/L	1	0.08
		SW8260	4-Chlorotoluene	106-43-4	N	0.07	U	µg/L	1	0.07
		SW8260	Acetone	67-64-1	N	0.6	U	µg/L	10	0.6
		SW8260	Benzene	71-43-2	N	0.07	U	µg/L	0.4	0.07
		SW8260	Bromobenzene	108-86-1	N	0.11	U	µg/L	1	0.11
		SW8260	Bromochloromethane	74-97-5	N	0.13	U	µg/L	1	0.13
		SW8260	Bromodichloromethane	75-27-4	N	0.12	U	µg/L	0.5	0.12
		SW8260	Bromoform	75-25-2	N	0.08	U	µg/L	1	0.08
		SW8260	Bromomethane	74-83-9	N	0.23	U	µg/L	3	0.23
		SW8260	Carbon Tetrachloride	56-23-5	N	0.08	U	µg/L	1	0.08
		SW8260	Chlorobenzene	108-90-7	N	0.12	U	µg/L	0.5	0.12
		SW8260	Chloroethane	75-00-3	N	0.2	U	µg/L	1	0.2
		SW8260	Chloroform	67-66-3	N	0.13	U	µg/L	0.3	0.13
		SW8260	Chloromethane	74-87-3	N	0.15	U	µg/L	1	0.15
		SW8260	cis-1,2-DCE	156-59-2	N	2.54		µg/L	1	0.1
		SW8260	cis-1,3-Dichloropropene	10061-01-5	N	0.1	U	µg/L	0.5	0.1
		SW8260	Dibromochloromethane	124-48-1	N	0.09	U	µg/L	0.5	0.09
		SW8260	Dibromomethane	74-95-3	N	0.11	U	µg/L	1	0.11
		SW8260	Dichlorodifluoromethane	75-71-8	N	0.13	U	µg/L	1	0.13
		SW8260	Ethylbenzene	100-41-4	N	0.08	U	µg/L	1	0.08
		SW8260	Hexachlorobutadiene	87-68-3	N	0.09	U	µg/L	0.6	0.09
		SW8260	Isopropylbenzene	98-82-8	N	0.08	U	µg/L	1	0.08
		SW8260	m,p-Xylene	108-38-3/1	N	0.14	U	µg/L	2	0.14
		SW8260	MEK (2-Butanone)	78-93-3	N	0.2	U	µg/L	10	0.2
		SW8260	Methyl t-butyl ether (MtBE)	1634-04-4	N	0.15	U	µg/L	5	0.15
		SW8260	Methylene Chloride	75-09-2	N	0.2	U	µg/L	1	0.2

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Summary of Site 10 EISB Treatment System Analytical Data, First Quarter 2005

LTO&M First Quarter 2005 Report, Beale Air Force Base, California – Site 10 EISB Treatment System Monitoring Data

Sample Location	Sample Date	Method	Analyte	CAS No.	QA/QC Type	Result	Flag	Units	Reporting Limit	Method Detection Limit
<b>Site 10 EISB Treatment System – Compliance Monitoring Well Results</b>										
10C035RW	1/18/2005	SW8260	MIBK (methyl isobutyl ketone)	108-10-1	N	0.1	U	µg/L	10	0.1
		SW8260	Naphthalene	91-20-3	N	0.05	U	µg/L	1	0.05
		SW8260	n-Butylbenzene	104-51-8	N	0.09	U	µg/L	1	0.09
		SW8260	n-Propylbenzene	103-65-1	N	0.08	U	µg/L	1	0.08
		SW8260	o-Xylene	95-47-6	N	0.09	U	µg/L	1	0.09
		SW8260	p-Isopropyltoluene	99-87-6	N	0.09	U	µg/L	1	0.09
		SW8260	sec-Butylbenzene	135-98-8	N	0.07	U	µg/L	1	0.07
		SW8260	Styrene	100-42-5	N	0.08	U	µg/L	1	0.08
		SW8260	TCE	79-01-6	N	32.6		µg/L	1	0.1
		SW8260	Tert-Butylbenzene	98-06-6	N	0.07	U	µg/L	1	0.07
		SW8260	Tetrachloroethylene	127-18-4	N	0.33	F	µg/L	1	0.07
		SW8260	Toluene	108-88-3	N	0.08	U	µg/L	1	0.08
		SW8260	trans-1,2-DCE	156-60-5	N	0.09	U	µg/L	1	0.09
		SW8260	trans-1,3-Dichloropropene	10061-02-6	N	0.07	U	µg/L	1	0.07
		SW8260	Trichlorofluoromethane	75-69-4	N	0.17	U	µg/L	1	0.17
	3/23/2005	SW8260	Vinyl Chloride	75-01-4	N	0.21	U	µg/L	1	0.21
		SW9056	Bromide	BROMIDE	N	0.0072	U	mg/L	0.5	0.0072
		E300.0M	Acetic Acid	64-19-7	N	0.0077	U	mg/L	0.1	0.0077
		E300.0M	Lactic Acid	50-21-5	N	0.011	U	mg/L	0.1	0.011
		E300.0M	Propionic Acid	79-09-4	N	0.0091	U	mg/L	0.1	0.0091
		RSK-175	Ethane	74-84-0	N	0.035	U	µg/L	0.85	0.035
		RSK-175	Ethene	74-85-1	N	0.035	U	µg/L	0.85	0.035
		RSK-175	Methane	74-82-8	N	0.21	F	µg/L	0.63	0.02
		SW6010	Iron, dissolved	7439-89-6_D	N	0.021	F	mg/L	0.2	0.005
		SW6010	Manganese, dissolved	7439-96-5_D	N	0.0261		mg/L	0.01	0.0003
		SW8260	1,1,1,2-Tetrachloroethane	630-20-6	N	0.06	U	µg/L	0.5	0.06
		SW8260	1,1,1-TCA	71-55-6	N	0.08	U	µg/L	1	0.08
		SW8260	1,1,2,2-Tetrachloroethane	79-34-5	N	0.06	U	µg/L	0.5	0.06
		SW8260	1,1,2-TCA	79-00-5	N	0.07	U	µg/L	1	0.07
		SW8260	1,1-DCA	75-34-3	N	0.06	U	µg/L	1	0.06
		SW8260	1,1-DCE	75-35-4	N	0.07	U	µg/L	1	0.07
		SW8260	1,1-Dichloropropene	563-58-6	N	0.05	U	µg/L	1	0.05
		SW8260	1,2,3-Trichlorobenzene	87-61-6	N	0.09	U	µg/L	1	0.09

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Summary of Site 10 EISB Treatment System Analytical Data, First Quarter 2005

LTO&M First Quarter 2005 Report, Beale Air Force Base, California – Site 10 EISB Treatment System Monitoring Data

Sample Location	Sample Date	Method	Analyte	CAS No.	QA/QC Type	Result	Flag	Units	Reporting Limit	Method Detection Limit
<b>Site 10 EISB Treatment System – Compliance Monitoring Well Results</b>										
10C035RW	3/23/2005	SW8260	1,2,3-Trichloropropane	96-18-4	N	0.08	U	µg/L	1	0.08
		SW8260	1,2,4-Trichlorobenzene	120-82-1	N	0.06	U	µg/L	1	0.06
		SW8260	1,2,4-Trimethylbenzene	95-63-6	N	0.05	U	µg/L	1	0.05
		SW8260	1,2-DCA	107-06-2	N	0.09	U	µg/L	0.5	0.09
		SW8260	1,2-DCB	95-50-1	N	0.06	U	µg/L	1	0.06
		SW8260	1,2-Dibromo-3-chloropropane	96-12-8	N	0.12	U	µg/L	2	0.12
		SW8260	1,2-Dichloropropane	78-87-5	N	0.04	U	µg/L	1	0.04
		SW8260	1,2-EDB	106-93-4	N	0.07	U	µg/L	1	0.07
		SW8260	1,3,5-Trimethylbenzene	108-67-8	N	0.06	U	µg/L	1	0.06
		SW8260	1,3-DCB	541-73-1	N	0.06	U	µg/L	1	0.06
		SW8260	1,3-Dichloropropane	142-28-9	N	0.05	U	µg/L	0.4	0.05
		SW8260	1,4-DCB	106-46-7	N	0.07	U	µg/L	0.5	0.07
		SW8260	1-Chlorohexane	544-10-5	N	0.06	U	µg/L	1	0.06
		SW8260	2,2-Dichloropropane	594-20-7	N	0.09	U	µg/L	1	0.09
		SW8260	2-Chlorotoluene	95-49-8	N	0.06	U	µg/L	1	0.06
		SW8260	4-Chlorotoluene	106-43-4	N	0.06	U	µg/L	1	0.06
		SW8260	Acetone	67-64-1	N	0.5	U	µg/L	10	0.5
		SW8260	Benzene	71-43-2	N	0.06	U	µg/L	0.4	0.06
		SW8260	Bromobenzene	108-86-1	N	0.07	U	µg/L	1	0.07
		SW8260	Bromochloromethane	74-97-5	N	0.09	U	µg/L	1	0.09
		SW8260	Bromodichloromethane	75-27-4	N	0.07	U	µg/L	0.5	0.07
		SW8260	Bromoform	75-25-2	N	0.08	U	µg/L	1	0.08
		SW8260	Bromomethane	74-83-9	N	0.1	U	µg/L	3	0.1
		SW8260	Carbon Tetrachloride	56-23-5	N	0.06	U	µg/L	1	0.06
		SW8260	Chlorobenzene	108-90-7	N	0.07	U	µg/L	0.5	0.07
		SW8260	Chloroethane	75-00-3	N	0.03	U	µg/L	1	0.03
		SW8260	Chloroform	67-66-3	N	0.09	U	µg/L	0.3	0.09
		SW8260	Chloromethane	74-87-3	N	0.04	U	µg/L	1	0.04
		SW8260	cis-1,2-DCE	156-59-2	N	3.59		µg/L	1	0.06
		SW8260	cis-1,3-Dichloropropene	10061-01-5	N	0.07	U	µg/L	0.5	0.07
		SW8260	Dibromochloromethane	124-48-1	N	0.03	U	µg/L	0.5	0.03
		SW8260	Dibromomethane	74-95-3	N	0.09	U	µg/L	1	0.09
		SW8260	Dichlorodifluoromethane	75-71-8	N	0.05	U	µg/L	1	0.05

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Summary of Site 10 EISB Treatment System Analytical Data, First Quarter 2005

LTO&M First Quarter 2005 Report, Beale Air Force Base, California – Site 10 EISB Treatment System Monitoring Data

Sample Location	Sample Date	Method	Analyte	CAS No.	QA/QC Type	Result	Flag	Units	Reporting Limit	Method Detection Limit
<b>Site 10 EISB Treatment System – Compliance Monitoring Well Results</b>										
10C035RW	3/23/2005	SW8260	Ethylbenzene	100-41-4	N	0.06	U	µg/L	1	0.06
		SW8260	Hexachlorobutadiene	87-68-3	N	0.07	U	µg/L	0.6	0.07
		SW8260	Isopropylbenzene	98-82-8	N	0.05	U	µg/L	1	0.05
		SW8260	m,p-Xylene	108-38-3/1	N	0.1	U	µg/L	2	0.1
		SW8260	MEK (2-Butanone)	78-93-3	N	0.3	U	µg/L	10	0.3
		SW8260	Methyl t-butyl ether (MtBE)	1634-04-4	N	0.06	U	µg/L	5	0.06
		SW8260	Methylene Chloride	75-09-2	N	0.07	U	µg/L	1	0.07
		SW8260	MIBK (methyl isobutyl ketone)	108-10-1	N	0.2	U	µg/L	10	0.2
		SW8260	Naphthalene	91-20-3	N	0.07	U	µg/L	1	0.07
		SW8260	n-Butylbenzene	104-51-8	N	0.06	U	µg/L	1	0.06
		SW8260	n-Propylbenzene	103-65-1	N	0.05	U	µg/L	1	0.05
		SW8260	o-Xylene	95-47-6	N	0.06	U	µg/L	1	0.06
		SW8260	p-Isopropyltoluene	99-87-6	N	0.04	U	µg/L	1	0.04
		SW8260	sec-Butylbenzene	135-98-8	N	0.06	U	µg/L	1	0.06
		SW8260	Styrene	100-42-5	N	0.05	U	µg/L	1	0.05
		SW8260	TCE	79-01-6	N	44.2		µg/L	1	0.07
		SW8260	Tert-Butylbenzene	98-06-6	N	0.06	U	µg/L	1	0.06
		SW8260	Tetrachloroethylene	127-18-4	N	0.4	F	µg/L	1	0.08
		SW8260	Toluene	108-88-3	N	0.06	U	µg/L	1	0.06
		SW8260	trans-1,2-DCE	156-60-5	N	0.07	U	µg/L	1	0.07
		SW8260	trans-1,3-Dichloropropene	10061-02-6	N	0.05	U	µg/L	1	0.05
		SW8260	Trichlorofluoromethane	75-69-4	N	0.06	U	µg/L	1	0.06
		SW8260	Vinyl Chloride	75-01-4	N	0.09	U	µg/L	1	0.09
		SW9030	Sulfide	SULFIDE	N	1.4	F	mg/L	2	0.97
		SW9056	Chloride	CHLORIDE	N	1.45		mg/L	1	0.011
		SW9056	Nitrate-N	NITRATE	N	2.33		mg/L	1	0.0022
		SW9056	Nitrite-N	NITRITE	N	0.0058	U	mg/L	1	0.0058
		SW9056	Phosphate	Phosphate	N	0.3	F	mg/L	1	0.013
		SW9056	Sulfate	SULFATE	N	2.97		mg/L	1	0.008
10C050RW	1/17/2005	E300.0M	Acetic Acid	64-19-7	FD	0.045	F	mg/L	0.1	0.021
		E300.0M	Acetic Acid	64-19-7	N	0.031	F	mg/L	0.1	0.021
		E300.0M	Lactic Acid	50-21-5	N	0.0083	U	mg/L	0.1	0.0083
		E300.0M	Lactic Acid	50-21-5	FD	0.0083	U	mg/L	0.1	0.0083

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## Summary of Site 10 EISB Treatment System Analytical Data, First Quarter 2005

## LTO&amp;M First Quarter 2005 Report, Beale Air Force Base, California – Site 10 EISB Treatment System Monitoring Data

Sample Location	Sample Date	Method	Analyte	CAS No.	QA/QC Type	Result	Flag	Units	Reporting Limit	Method Detection Limit
<b>Site 10 EISB Treatment System – Compliance Monitoring Well Results</b>										
10C050RW	1/17/2005	E300.0M	Propionic Acid	79-09-4	N	0.01	U	mg/L	0.1	0.01
		E300.0M	Propionic Acid	79-09-4	FD	0.022	F	mg/L	0.1	0.01
		SW6010	Manganese, dissolved	7439-96-5_D	N	0.0025	F	mg/L	0.01	0.0003
		SW6010	Manganese, dissolved	7439-96-5_D	FD	0.0025	F	mg/L	0.01	0.0003
		SW8260	1,1,1,2-Tetrachloroethane	630-20-6	FD	0.09	U	µg/L	0.5	0.09
		SW8260	1,1,1,2-Tetrachloroethane	630-20-6	N	0.09	U	µg/L	0.5	0.09
		SW8260	1,1,1-TCA	71-55-6	N	0.11	U	µg/L	1	0.11
		SW8260	1,1,1-TCA	71-55-6	FD	0.11	U	µg/L	1	0.11
		SW8260	1,1,2,2-Tetrachloroethane	79-34-5	FD	0.11	U	µg/L	0.5	0.11
		SW8260	1,1,2,2-Tetrachloroethane	79-34-5	N	0.11	U	µg/L	0.5	0.11
		SW8260	1,1,2-TCA	79-00-5	N	0.14	U	µg/L	1	0.14
		SW8260	1,1,2-TCA	79-00-5	FD	0.14	U	µg/L	1	0.14
		SW8260	1,1-DCA	75-34-3	N	0.13	U	µg/L	1	0.13
		SW8260	1,1-DCA	75-34-3	FD	0.13	U	µg/L	1	0.13
		SW8260	1,1-DCE	75-35-4	N	0.13	U	µg/L	1	0.13
		SW8260	1,1-DCE	75-35-4	FD	0.13	U	µg/L	1	0.13
		SW8260	1,1-Dichloropropene	563-58-6	N	0.07	U	µg/L	1	0.07
		SW8260	1,1-Dichloropropene	563-58-6	FD	0.07	U	µg/L	1	0.07
		SW8260	1,2,3-Trichlorobenzene	87-61-6	N	0.07	U	µg/L	1	0.07
		SW8260	1,2,3-Trichlorobenzene	87-61-6	FD	0.07	U	µg/L	1	0.07
		SW8260	1,2,3-Trichloropropane	96-18-4	N	0.11	U	µg/L	1	0.11
		SW8260	1,2,3-Trichloropropane	96-18-4	FD	0.11	U	µg/L	1	0.11
		SW8260	1,2,4-Trichlorobenzene	120-82-1	N	0.08	U	µg/L	1	0.08
		SW8260	1,2,4-Trichlorobenzene	120-82-1	FD	0.08	U	µg/L	1	0.08
		SW8260	1,2,4-Trimethylbenzene	95-63-6	FD	0.07	U	µg/L	1	0.07
		SW8260	1,2,4-Trimethylbenzene	95-63-6	N	0.07	U	µg/L	1	0.07
		SW8260	1,2-DCA	107-06-2	N	0.1	U	µg/L	0.5	0.1
		SW8260	1,2-DCA	107-06-2	FD	0.1	U	µg/L	0.5	0.1
		SW8260	1,2-DCB	95-50-1	FD	0.11	U	µg/L	1	0.11
		SW8260	1,2-DCB	95-50-1	N	0.11	U	µg/L	1	0.11
		SW8260	1,2-Dibromo-3-chloropropane	96-12-8	N	0.12	U	µg/L	2	0.12
		SW8260	1,2-Dibromo-3-chloropropane	96-12-8	FD	0.12	U	µg/L	2	0.12
		SW8260	1,2-Dichloropropane	78-87-5	N	0.12	U	µg/L	1	0.12

**ATTACHMENT B2**

Summary of Site 10 EISB Treatment System Analytical Data, First Quarter 2005

LTO&M First Quarter 2005 Report, Beale Air Force Base, California – Site 10 EISB Treatment System Monitoring Data

Sample Location	Sample Date	Method	Analyte	CAS No.	QA/QC Type	Result	Flag	Units	Reporting Limit	Method Detection Limit
<b>Site 10 EISB Treatment System – Compliance Monitoring Well Results</b>										
10C050RW	1/17/2005	SW8260	1,2-Dichloropropane	78-87-5	FD	0.12	U	µg/L	1	0.12
		SW8260	1,2-EDB	106-93-4	N	0.09	U	µg/L	1	0.09
		SW8260	1,2-EDB	106-93-4	FD	0.09	U	µg/L	1	0.09
		SW8260	1,3,5-Trimethylbenzene	108-67-8	FD	0.08	U	µg/L	1	0.08
		SW8260	1,3,5-Trimethylbenzene	108-67-8	N	0.08	U	µg/L	1	0.08
		SW8260	1,3-DCB	541-73-1	FD	0.1	U	µg/L	1	0.1
		SW8260	1,3-DCB	541-73-1	N	0.1	U	µg/L	1	0.1
		SW8260	1,3-Dichloropropane	142-28-9	FD	0.09	U	µg/L	0.4	0.09
		SW8260	1,3-Dichloropropane	142-28-9	N	0.09	U	µg/L	0.4	0.09
		SW8260	1,4-DCB	106-46-7	FD	0.13	U	µg/L	0.5	0.13
		SW8260	1,4-DCB	106-46-7	N	0.13	U	µg/L	0.5	0.13
		SW8260	1-Chlorohexane	544-10-5	FD	0.06	U	µg/L	1	0.06
		SW8260	1-Chlorohexane	544-10-5	N	0.06	U	µg/L	1	0.06
		SW8260	2,2-Dichloropropane	594-20-7	FD	0.12	U	µg/L	1	0.12
		SW8260	2,2-Dichloropropane	594-20-7	N	0.12	U	µg/L	1	0.12
		SW8260	2-Chlorotoluene	95-49-8	FD	0.08	U	µg/L	1	0.08
		SW8260	2-Chlorotoluene	95-49-8	N	0.08	U	µg/L	1	0.08
		SW8260	4-Chlorotoluene	106-43-4	N	0.07	U	µg/L	1	0.07
		SW8260	4-Chlorotoluene	106-43-4	FD	0.07	U	µg/L	1	0.07
		SW8260	Acetone	67-64-1	N	0.6	U	µg/L	10	0.6
		SW8260	Acetone	67-64-1	FD	0.6	U	µg/L	10	0.6
		SW8260	Benzene	71-43-2	N	0.07	U	µg/L	0.4	0.07
		SW8260	Benzene	71-43-2	FD	0.07	U	µg/L	0.4	0.07
		SW8260	Bromobenzene	108-86-1	N	0.11	U	µg/L	1	0.11
		SW8260	Bromobenzene	108-86-1	FD	0.11	U	µg/L	1	0.11
		SW8260	Bromochloromethane	74-97-5	FD	0.13	U	µg/L	1	0.13
		SW8260	Bromochloromethane	74-97-5	N	0.13	U	µg/L	1	0.13
		SW8260	Bromodichloromethane	75-27-4	FD	0.12	U	µg/L	0.5	0.12
		SW8260	Bromodichloromethane	75-27-4	N	0.12	U	µg/L	0.5	0.12
		SW8260	Bromoform	75-25-2	N	0.08	U	µg/L	1	0.08
		SW8260	Bromoform	75-25-2	FD	0.08	U	µg/L	1	0.08
		SW8260	Bromomethane	74-83-9	N	0.23	U	µg/L	3	0.23
		SW8260	Bromomethane	74-83-9	FD	0.23	U	µg/L	3	0.23

**ATTACHMENT B2**

Summary of Site 10 EISB Treatment System Analytical Data, First Quarter 2005

*LTO&M First Quarter 2005 Report, Beale Air Force Base, California – Site 10 EISB Treatment System Monitoring Data*

Sample Location	Sample Date	Method	Analyte	CAS No.	QA/QC Type	Result	Flag	Units	Reporting Limit	Method Detection Limit
<b>Site 10 EISB Treatment System – Compliance Monitoring Well Results</b>										
10C050RW	1/17/2005	SW8260	Carbon Tetrachloride	56-23-5	N	0.08	U	µg/L	1	0.08
		SW8260	Carbon Tetrachloride	56-23-5	FD	0.08	U	µg/L	1	0.08
		SW8260	Chlorobenzene	108-90-7	N	0.12	U	µg/L	0.5	0.12
		SW8260	Chlorobenzene	108-90-7	FD	0.12	U	µg/L	0.5	0.12
		SW8260	Chloroethane	75-00-3	N	0.2	U	µg/L	1	0.2
		SW8260	Chloroethane	75-00-3	FD	0.2	U	µg/L	1	0.2
		SW8260	Chloroform	67-66-3	N	0.14	F	µg/L	0.3	0.13
		SW8260	Chloroform	67-66-3	FD	0.14	F	µg/L	0.3	0.13
		SW8260	Chloromethane	74-87-3	N	0.15	U	µg/L	1	0.15
		SW8260	Chloromethane	74-87-3	FD	0.15	U	µg/L	1	0.15
		SW8260	cis-1,2-DCE	156-59-2	FD	2.12		µg/L	1	0.1
		SW8260	cis-1,2-DCE	156-59-2	N	1.87		µg/L	1	0.1
		SW8260	cis-1,3-Dichloropropene	10061-01-5	N	0.1	U	µg/L	0.5	0.1
		SW8260	cis-1,3-Dichloropropene	10061-01-5	FD	0.1	U	µg/L	0.5	0.1
		SW8260	Dibromochloromethane	124-48-1	N	0.09	U	µg/L	0.5	0.09
		SW8260	Dibromochloromethane	124-48-1	FD	0.09	U	µg/L	0.5	0.09
		SW8260	Dibromomethane	74-95-3	N	0.11	U	µg/L	1	0.11
		SW8260	Dibromomethane	74-95-3	FD	0.11	U	µg/L	1	0.11
		SW8260	Dichlorodifluoromethane	75-71-8	N	0.13	U	µg/L	1	0.13
		SW8260	Dichlorodifluoromethane	75-71-8	FD	0.13	U	µg/L	1	0.13
		SW8260	Ethylbenzene	100-41-4	N	0.08	U	µg/L	1	0.08
		SW8260	Ethylbenzene	100-41-4	FD	0.08	U	µg/L	1	0.08
		SW8260	Hexachlorobutadiene	87-68-3	N	0.09	U	µg/L	0.6	0.09
		SW8260	Hexachlorobutadiene	87-68-3	FD	0.09	U	µg/L	0.6	0.09
		SW8260	Isopropylbenzene	98-82-8	FD	0.08	U	µg/L	1	0.08
		SW8260	Isopropylbenzene	98-82-8	N	0.08	U	µg/L	1	0.08
		SW8260	m,p-Xylene	108-38-3/1	N	0.14	U	µg/L	2	0.14
		SW8260	m,p-Xylene	108-38-3/1	FD	0.14	U	µg/L	2	0.14
		SW8260	MEK (2-Butanone)	78-93-3	N	0.2	U	µg/L	10	0.2
		SW8260	MEK (2-Butanone)	78-93-3	FD	0.2	U	µg/L	10	0.2
		SW8260	Methyl t-butyl ether (MtBE)	1634-04-4	N	0.15	U	µg/L	5	0.15
		SW8260	Methyl t-butyl ether (MtBE)	1634-04-4	FD	0.15	U	µg/L	5	0.15
		SW8260	Methylene Chloride	75-09-2	N	0.2	U	µg/L	1	0.2

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Summary of Site 10 EISB Treatment System Analytical Data, First Quarter 2005

LTO&M First Quarter 2005 Report, Beale Air Force Base, California – Site 10 EISB Treatment System Monitoring Data

Sample Location	Sample Date	Method	Analyte	CAS No.	QA/QC Type	Result	Flag	Units	Reporting Limit	Method Detection Limit
<b>Site 10 EISB Treatment System – Compliance Monitoring Well Results</b>										
10C050RW	1/17/2005	SW8260	Methylene Chloride	75-09-2	FD	0.2	U	µg/L	1	0.2
		SW8260	MIBK (methyl isobutyl ketone)	108-10-1	N	0.1	U	µg/L	10	0.1
		SW8260	MIBK (methyl isobutyl ketone)	108-10-1	FD	0.1	U	µg/L	10	0.1
		SW8260	Naphthalene	91-20-3	N	0.05	U	µg/L	1	0.05
		SW8260	Naphthalene	91-20-3	FD	0.05	U	µg/L	1	0.05
		SW8260	n-Butylbenzene	104-51-8	N	0.09	U	µg/L	1	0.09
		SW8260	n-Butylbenzene	104-51-8	FD	0.09	U	µg/L	1	0.09
		SW8260	n-Propylbenzene	103-65-1	FD	0.08	U	µg/L	1	0.08
		SW8260	n-Propylbenzene	103-65-1	N	0.08	U	µg/L	1	0.08
		SW8260	o-Xylene	95-47-6	N	0.09	U	µg/L	1	0.09
		SW8260	o-Xylene	95-47-6	FD	0.09	U	µg/L	1	0.09
		SW8260	p-Isopropyltoluene	99-87-6	N	0.09	U	µg/L	1	0.09
		SW8260	p-Isopropyltoluene	99-87-6	FD	0.09	U	µg/L	1	0.09
		SW8260	sec-Butylbenzene	135-98-8	N	0.07	U	µg/L	1	0.07
		SW8260	sec-Butylbenzene	135-98-8	FD	0.07	U	µg/L	1	0.07
		SW8260	Styrene	100-42-5	N	0.08	U	µg/L	1	0.08
		SW8260	Styrene	100-42-5	FD	0.08	U	µg/L	1	0.08
		SW8260	TCE	79-01-6	N	242		µg/L	10	0.99
		SW8260	TCE	79-01-6	FD	240		µg/L	10	0.99
		SW8260	Tert-Butylbenzene	98-06-6	N	0.07	U	µg/L	1	0.07
		SW8260	Tert-Butylbenzene	98-06-6	FD	0.07	U	µg/L	1	0.07
		SW8260	Tetrachloroethylene	127-18-4	N	29.5		µg/L	1	0.07
		SW8260	Tetrachloroethylene	127-18-4	FD	32.9		µg/L	1	0.07
		SW8260	Toluene	108-88-3	N	0.08	U	µg/L	1	0.08
		SW8260	Toluene	108-88-3	FD	0.08	U	µg/L	1	0.08
		SW8260	trans-1,2-DCE	156-60-5	FD	0.09	U	µg/L	1	0.09
		SW8260	trans-1,2-DCE	156-60-5	N	0.09	U	µg/L	1	0.09
		SW8260	trans-1,3-Dichloropropene	10061-02-6	N	0.07	U	µg/L	1	0.07
		SW8260	trans-1,3-Dichloropropene	10061-02-6	FD	0.07	U	µg/L	1	0.07
		SW8260	Trichlorofluoromethane	75-69-4	N	0.17	U	µg/L	1	0.17
		SW8260	Trichlorofluoromethane	75-69-4	FD	0.17	U	µg/L	1	0.17
		SW8260	Vinyl Chloride	75-01-4	N	0.21	U	µg/L	1	0.21
		SW8260	Vinyl Chloride	75-01-4	FD	0.21	U	µg/L	1	0.21

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Summary of Site 10 EISB Treatment System Analytical Data, First Quarter 2005

LTO&M First Quarter 2005 Report, Beale Air Force Base, California – Site 10 EISB Treatment System Monitoring Data

Sample Location	Sample Date	Method	Analyte	CAS No.	QA/QC Type	Result	Flag	Units	Reporting Limit	Method Detection Limit
<b>Site 10 EISB Treatment System – Compliance Monitoring Well Results</b>										
10C050RW	1/17/2005	SW9056	Bromide	BROMIDE	N	0.0072	U	mg/L	0.5	0.0072
		SW9056	Bromide	BROMIDE	FD	0.0072	U	mg/L	0.5	0.0072
	1/18/2005	RSK-175	Ethane	74-84-0	FD	0.035	U	µg/L	0.85	0.035
		RSK-175	Ethane	74-84-0	N	0.033	U	µg/L	0.8	0.033
		RSK-175	Ethene	74-85-1	FD	0.048	F	µg/L	0.85	0.035
		RSK-175	Ethene	74-85-1	N	0.045	F	µg/L	0.81	0.034
		RSK-175	Methane	74-82-8	FD	0.29	F	µg/L	0.64	0.02
		RSK-175	Methane	74-82-8	N	0.28	F	µg/L	0.6	0.019
	3/22/2005	E300.0M	Acetic Acid	64-19-7	N	0.0077	U	mg/L	0.1	0.0077
		E300.0M	Lactic Acid	50-21-5	N	0.011	U	mg/L	0.1	0.011
		E300.0M	Propionic Acid	79-09-4	N	0.0091	U	mg/L	0.1	0.0091
		RSK-175	Ethane	74-84-0	N	0.035	U	µg/L	0.84	0.035
		RSK-175	Ethene	74-85-1	N	0.035	U	µg/L	0.84	0.035
		RSK-175	Methane	74-82-8	N	0.25	F	µg/L	0.63	0.02
		SW6010	Manganese, dissolved	7439-96-5_D	N	0.0015	F	mg/L	0.01	0.0003
		SW8260	1,1,1,2-Tetrachloroethane	630-20-6	N	0.06	U	µg/L	0.5	0.06
		SW8260	1,1,1-TCA	71-55-6	N	0.08	U	µg/L	1	0.08
		SW8260	1,1,2,2-Tetrachloroethane	79-34-5	N	0.06	U	µg/L	0.5	0.06
		SW8260	1,1,2-TCA	79-00-5	N	0.07	U	µg/L	1	0.07
		SW8260	1,1-DCA	75-34-3	N	0.06	U	µg/L	1	0.06
		SW8260	1,1-DCE	75-35-4	N	0.07	U	µg/L	1	0.07
		SW8260	1,1-Dichloropropene	563-58-6	N	0.05	U	µg/L	1	0.05
		SW8260	1,2,3-Trichlorobenzene	87-61-6	N	0.09	U	µg/L	1	0.09
		SW8260	1,2,3-Trichloropropane	96-18-4	N	0.08	U	µg/L	1	0.08
		SW8260	1,2,4-Trichlorobenzene	120-82-1	N	0.06	U	µg/L	1	0.06
		SW8260	1,2,4-Trimethylbenzene	95-63-6	N	0.05	U	µg/L	1	0.05
		SW8260	1,2-DCA	107-06-2	N	0.09	U	µg/L	0.5	0.09
		SW8260	1,2-DCB	95-50-1	N	0.06	U	µg/L	1	0.06
		SW8260	1,2-Dibromo-3-chloropropane	96-12-8	N	0.12	U	µg/L	2	0.12
		SW8260	1,2-Dichloropropane	78-87-5	N	0.04	U	µg/L	1	0.04
		SW8260	1,2-EDB	106-93-4	N	0.07	U	µg/L	1	0.07
		SW8260	1,3,5-Trimethylbenzene	108-67-8	N	0.06	U	µg/L	1	0.06
		SW8260	1,3-DCB	541-73-1	N	0.06	U	µg/L	1	0.06

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Summary of Site 10 EISB Treatment System Analytical Data, First Quarter 2005

LTO&M First Quarter 2005 Report, Beale Air Force Base, California – Site 10 EISB Treatment System Monitoring Data

Sample Location	Sample Date	Method	Analyte	CAS No.	QA/QC Type	Result	Flag	Units	Reporting Limit	Method Detection Limit
<b>Site 10 EISB Treatment System – Compliance Monitoring Well Results</b>										
10C050RW	3/22/2005	SW8260	1,3-Dichloropropane	142-28-9	N	0.05	U	µg/L	0.4	0.05
		SW8260	1,4-DCB	106-46-7	N	0.07	U	µg/L	0.5	0.07
		SW8260	1-Chlorohexane	544-10-5	N	0.06	U	µg/L	1	0.06
		SW8260	2,2-Dichloropropane	594-20-7	N	0.09	U	µg/L	1	0.09
		SW8260	2-Chlorotoluene	95-49-8	N	0.06	U	µg/L	1	0.06
		SW8260	4-Chlorotoluene	106-43-4	N	0.06	U	µg/L	1	0.06
		SW8260	Acetone	67-64-1	N	0.5	U	µg/L	10	0.5
		SW8260	Benzene	71-43-2	N	0.06	U	µg/L	0.4	0.06
		SW8260	Bromobenzene	108-86-1	N	0.07	U	µg/L	1	0.07
		SW8260	Bromochloromethane	74-97-5	N	0.09	U	µg/L	1	0.09
		SW8260	Bromodichloromethane	75-27-4	N	0.07	U	µg/L	0.5	0.07
		SW8260	Bromoform	75-25-2	N	0.08	U	µg/L	1	0.08
		SW8260	Bromomethane	74-83-9	N	0.1	U	µg/L	3	0.1
		SW8260	Carbon Tetrachloride	56-23-5	N	0.06	U	µg/L	1	0.06
		SW8260	Chlorobenzene	108-90-7	N	0.07	U	µg/L	0.5	0.07
		SW8260	Chloroethane	75-00-3	N	0.03	U	µg/L	1	0.03
		SW8260	Chloroform	67-66-3	N	0.09	U	µg/L	0.3	0.09
		SW8260	Chloromethane	74-87-3	N	0.04	U	µg/L	1	0.04
		SW8260	cis-1,2-DCE	156-59-2	N	1.51		µg/L	1	0.06
		SW8260	cis-1,3-Dichloropropene	10061-01-5	N	0.07	U	µg/L	0.5	0.07
		SW8260	Dibromochloromethane	124-48-1	N	0.03	U	µg/L	0.5	0.03
		SW8260	Dibromomethane	74-95-3	N	0.09	U	µg/L	1	0.09
		SW8260	Dichlorodifluoromethane	75-71-8	N	0.05	U	µg/L	1	0.05
		SW8260	Ethylbenzene	100-41-4	N	0.06	U	µg/L	1	0.06
		SW8260	Hexachlorobutadiene	87-68-3	N	0.07	U	µg/L	0.6	0.07
		SW8260	Isopropylbenzene	98-82-8	N	0.05	U	µg/L	1	0.05
		SW8260	m,p-Xylene	108-38-3/1	N	0.1	U	µg/L	2	0.1
		SW8260	MEK (2-Butanone)	78-93-3	N	0.3	U	µg/L	10	0.3
		SW8260	Methyl t-butyl ether (MtBE)	1634-04-4	N	0.06	U	µg/L	5	0.06
		SW8260	Methylene Chloride	75-09-2	N	0.07	U	µg/L	1	0.07
		SW8260	MIBK (methyl isobutyl ketone)	108-10-1	N	0.2	U	µg/L	10	0.2
		SW8260	Naphthalene	91-20-3	N	0.07	U	µg/L	1	0.07
		SW8260	n-Butylbenzene	104-51-8	N	0.06	U	µg/L	1	0.06

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Summary of Site 10 EISB Treatment System Analytical Data, First Quarter 2005

LTO&M First Quarter 2005 Report, Beale Air Force Base, California – Site 10 EISB Treatment System Monitoring Data

Sample Location	Sample Date	Method	Analyte	CAS No.	QA/QC Type	Result	Flag	Units	Reporting Limit	Method Detection Limit
<b>Site 10 EISB Treatment System – Compliance Monitoring Well Results</b>										
10C050RW	3/22/2005	SW8260	n-Propylbenzene	103-65-1	N	0.05	U	µg/L	1	0.05
		SW8260	o-Xylene	95-47-6	N	0.06	U	µg/L	1	0.06
		SW8260	p-Isopropyltoluene	99-87-6	N	0.04	U	µg/L	1	0.04
		SW8260	sec-Butylbenzene	135-98-8	N	0.06	U	µg/L	1	0.06
		SW8260	Styrene	100-42-5	N	0.05	U	µg/L	1	0.05
		SW8260	TCE	79-01-6	N	149		µg/L	50	3.57
		SW8260	Tert-Butylbenzene	98-06-6	N	0.06	U	µg/L	1	0.06
		SW8260	Tetrachloroethylene	127-18-4	N	23.3		µg/L	1	0.08
		SW8260	Toluene	108-88-3	N	0.06	U	µg/L	1	0.06
		SW8260	trans-1,2-DCE	156-60-5	N	0.07	U	µg/L	1	0.07
		SW8260	trans-1,3-Dichloropropene	10061-02-6	N	0.05	U	µg/L	1	0.05
		SW8260	Trichlorofluoromethane	75-69-4	N	0.06	U	µg/L	1	0.06
		SW8260	Vinyl Chloride	75-01-4	N	0.09	U	µg/L	1	0.09
10C051RW	1/20/2005	E300.0M	Acetic Acid	64-19-7	N	0.021	U	mg/L	0.1	0.021
		E300.0M	Lactic Acid	50-21-5	N	0.0083	U	mg/L	0.1	0.0083
		E300.0M	Propionic Acid	79-09-4	N	0.01	U	mg/L	0.1	0.01
		RSK-175	Ethane	74-84-0	N	0.076	F	µg/L	0.83	0.034
		RSK-175	Ethene	74-85-1	N	0.035	U	µg/L	0.84	0.035
		RSK-175	Methane	74-82-8	N	0.2	F	µg/L	0.63	0.02
		SW6010	Manganese, dissolved	7439-96-5_D	N	0.0557		mg/L	0.01	0.0003
		SW8260	1,1,1,2-Tetrachloroethane	630-20-6	N	4.58	U	µg/L	25	4.58
		SW8260	1,1,1-TCA	71-55-6	N	5.29	U	µg/L	50	5.29
		SW8260	1,1,2,2-Tetrachloroethane	79-34-5	N	5.7	U	µg/L	25	5.7
		SW8260	1,1,2-TCA	79-00-5	N	6.85	U	µg/L	50	6.85
		SW8260	1,1-DCA	75-34-3	N	6.58	U	µg/L	50	6.58
		SW8260	1,1-DCE	75-35-4	N	6.26	U	µg/L	50	6.26
		SW8260	1,1-Dichloropropene	563-58-6	N	3.48	U	µg/L	50	3.48
		SW8260	1,2,3-Trichlorobenzene	87-61-6	N	3.73	U	µg/L	50	3.73
		SW8260	1,2,3-Trichloropropane	96-18-4	N	5.43	U	µg/L	50	5.43
		SW8260	1,2,4-Trichlorobenzene	120-82-1	N	3.9	U	µg/L	50	3.9
		SW8260	1,2,4-Trimethylbenzene	95-63-6	N	3.63	U	µg/L	50	3.63
		SW8260	1,2-DCA	107-06-2	N	5.04	U	µg/L	25	5.04
		SW8260	1,2-DCB	95-50-1	N	5.33	U	µg/L	50	5.33

**ATTACHMENT B2**

Summary of Site 10 EISB Treatment System Analytical Data, First Quarter 2005

LTO&M First Quarter 2005 Report, Beale Air Force Base, California – Site 10 EISB Treatment System Monitoring Data

Sample Location	Sample Date	Method	Analyte	CAS No.	QA/QC Type	Result	Flag	Units	Reporting Limit	Method Detection Limit
<b>Site 10 EISB Treatment System – Compliance Monitoring Well Results</b>										
10C051RW	1/20/2005	SW8260	1,2-Dibromo-3-chloropropane	96-12-8	N	5.8	U	µg/L	100	5.8
		SW8260	1,2-Dichloropropane	78-87-5	N	5.95	U	µg/L	50	5.95
		SW8260	1,2-EDB	106-93-4	N	4.3	U	µg/L	50	4.3
		SW8260	1,3,5-Trimethylbenzene	108-67-8	N	4.25	U	µg/L	50	4.25
		SW8260	1,3-DCB	541-73-1	N	5.13	U	µg/L	50	5.13
		SW8260	1,3-Dichloropropane	142-28-9	N	4.34	U	µg/L	20	4.34
		SW8260	1,4-DCB	106-46-7	N	6.66	U	µg/L	25	6.66
		SW8260	1-Chlorohexane	544-10-5	N	3.15	U	µg/L	50	3.15
		SW8260	2,2-Dichloropropane	594-20-7	N	5.82	U	µg/L	50	5.82
		SW8260	2-Chlorotoluene	95-49-8	N	4.13	U	µg/L	50	4.13
		SW8260	4-Chlorotoluene	106-43-4	N	3.71	U	µg/L	50	3.71
		SW8260	Acetone	67-64-1	N	31.9	U	µg/L	500	31.9
		SW8260	Benzene	71-43-2	N	3.62	U	µg/L	20	3.62
		SW8260	Bromobenzene	108-86-1	N	5.5	U	µg/L	50	5.5
		SW8260	Bromochloromethane	74-97-5	N	6.61	U	µg/L	50	6.61
		SW8260	Bromodichloromethane	75-27-4	N	5.95	U	µg/L	25	5.95
		SW8260	Bromoform	75-25-2	N	3.82	U	µg/L	50	3.82
		SW8260	Bromomethane	74-83-9	N	11.38	U	µg/L	150	11.38
		SW8260	Carbon Tetrachloride	56-23-5	N	3.94	U	µg/L	50	3.94
		SW8260	Chlorobenzene	108-90-7	N	6.22	U	µg/L	25	6.22
		SW8260	Chloroethane	75-00-3	N	10.09	U	µg/L	50	10.09
		SW8260	Chloroform	67-66-3	N	6.29	U	µg/L	15	6.29
		SW8260	Chloromethane	74-87-3	N	7.25	U	µg/L	50	7.25
		SW8260	cis-1,2-DCE	156-59-2	N	8.42	F	µg/L	50	4.76
		SW8260	cis-1,3-Dichloropropene	10061-01-5	N	5.13	U	µg/L	25	5.13
		SW8260	Dibromochloromethane	124-48-1	N	4.51	U	µg/L	25	4.51
		SW8260	Dibromomethane	74-95-3	N	5.73	U	µg/L	50	5.73
		SW8260	Dichlorodifluoromethane	75-71-8	N	6.61	U	µg/L	50	6.61
		SW8260	Ethylbenzene	100-41-4	N	3.93	U	µg/L	50	3.93
		SW8260	Hexachlorobutadiene	87-68-3	N	4.72	U	µg/L	30	4.72
		SW8260	Isopropylbenzene	98-82-8	N	3.9	U	µg/L	50	3.9
		SW8260	m,p-Xylene	108-38-3/1	N	6.84	U	µg/L	100	6.84
		SW8260	MEK (2-Butanone)	78-93-3	N	9.4	U	µg/L	500	9.4

**ATTACHMENT B2**

Summary of Site 10 EISB Treatment System Analytical Data, First Quarter 2005

LTO&M First Quarter 2005 Report, Beale Air Force Base, California – Site 10 EISB Treatment System Monitoring Data

Sample Location	Sample Date	Method	Analyte	CAS No.	QA/QC Type	Result	Flag	Units	Reporting Limit	Method Detection Limit
<b>Site 10 EISB Treatment System – Compliance Monitoring Well Results</b>										
10C051RW	1/20/2005	SW8260	Methyl t-butyl ether (MtBE)	1634-04-4	N	7.48	U	µg/L	250	7.48
		SW8260	Methylene Chloride	75-09-2	N	9.9	U	µg/L	50	9.9
		SW8260	MIBK (methyl isobutyl ketone)	108-10-1	N	7.4	U	µg/L	500	7.4
		SW8260	Naphthalene	91-20-3	N	2.64	U	µg/L	50	2.64
		SW8260	n-Butylbenzene	104-51-8	N	4.4	U	µg/L	50	4.4
		SW8260	n-Propylbenzene	103-65-1	N	3.79	U	µg/L	50	3.79
		SW8260	o-Xylene	95-47-6	N	4.44	U	µg/L	50	4.44
		SW8260	p-Isopropyltoluene	99-87-6	N	4.49	U	µg/L	50	4.49
		SW8260	sec-Butylbenzene	135-98-8	N	3.73	U	µg/L	50	3.73
		SW8260	Styrene	100-42-5	N	4.11	U	µg/L	50	4.11
		SW8260	TCE	79-01-6	N	694		µg/L	50	4.93
		SW8260	Tert-Butylbenzene	98-06-6	N	3.48	U	µg/L	50	3.48
		SW8260	Tetrachloroethylene	127-18-4	N	42.7	F	µg/L	50	3.62
		SW8260	Toluene	108-88-3	N	3.94	U	µg/L	50	3.94
		SW8260	trans-1,2-DCE	156-60-5	N	4.72	U	µg/L	50	4.72
		SW8260	trans-1,3-Dichloropropene	10061-02-6	N	3.28	U	µg/L	50	3.28
		SW8260	Trichlorofluoromethane	75-69-4	N	8.7	U	µg/L	50	8.7
		SW8260	Vinyl Chloride	75-01-4	N	10.43	U	µg/L	50	10.43
	3/22/2005	E300.0M	Acetic Acid	64-19-7	N	0.0077	U	mg/L	0.1	0.0077
		E300.0M	Lactic Acid	50-21-5	N	0.011	U	mg/L	0.1	0.011
		E300.0M	Propionic Acid	79-09-4	N	0.0091	U	mg/L	0.1	0.0091
		RSK-175	Ethane	74-84-0	N	0.035	U	µg/L	0.84	0.035
		RSK-175	Ethene	74-85-1	N	0.035	U	µg/L	0.85	0.035
		RSK-175	Methane	74-82-8	N	0.16	F	µg/L	0.63	0.02
		SW6010	Manganese, dissolved	7439-96-5_D	N	0.0006	F	mg/L	0.01	0.0003
		SW8260	1,1,1,2-Tetrachloroethane	630-20-6	N	0.13	U	µg/L	1.1	0.13
		SW8260	1,1,1-TCA	71-55-6	N	0.17	U	µg/L	2.2	0.17
		SW8260	1,1,2,2-Tetrachloroethane	79-34-5	N	0.12	U	µg/L	1.1	0.12
		SW8260	1,1,2-TCA	79-00-5	N	0.16	U	µg/L	2.2	0.16
		SW8260	1,1-DCA	75-34-3	N	0.13	U	µg/L	2.2	0.13
		SW8260	1,1-DCE	75-35-4	N	0.16	U	µg/L	2.2	0.16
		SW8260	1,1-Dichloropropene	563-58-6	N	0.12	U	µg/L	2.2	0.12
		SW8260	1,2,3-Trichlorobenzene	87-61-6	N	0.2	U	µg/L	2.2	0.2

**ATTACHMENT B2**

Summary of Site 10 EISB Treatment System Analytical Data, First Quarter 2005

LTO&M First Quarter 2005 Report, Beale Air Force Base, California – Site 10 EISB Treatment System Monitoring Data

Sample Location	Sample Date	Method	Analyte	CAS No.	QA/QC Type	Result	Flag	Units	Reporting Limit	Method Detection Limit
<b>Site 10 EISB Treatment System – Compliance Monitoring Well Results</b>										
10C051RW	3/22/2005	SW8260	1,2,3-Trichloropropane	96-18-4	N	0.17	U	µg/L	2.2	0.17
		SW8260	1,2,4-Trichlorobenzene	120-82-1	N	0.14	U	µg/L	2.2	0.14
		SW8260	1,2,4-Trimethylbenzene	95-63-6	N	0.1	U	µg/L	2.2	0.1
		SW8260	1,2-DCA	107-06-2	N	0.19	U	µg/L	1.1	0.19
		SW8260	1,2-DCB	95-50-1	N	0.13	U	µg/L	2.2	0.13
		SW8260	1,2-Dibromo-3-chloropropane	96-12-8	N	0.26	U	µg/L	4.4	0.26
		SW8260	1,2-Dichloropropane	78-87-5	N	0.09	U	µg/L	2.2	0.09
		SW8260	1,2-EDB	106-93-4	N	0.16	U	µg/L	2.2	0.16
		SW8260	1,3,5-Trimethylbenzene	108-67-8	N	0.13	U	µg/L	2.2	0.13
		SW8260	1,3-DCB	541-73-1	N	0.14	U	µg/L	2.2	0.14
		SW8260	1,3-Dichloropropane	142-28-9	N	0.11	U	µg/L	0.9	0.11
		SW8260	1,4-DCB	106-46-7	N	0.15	U	µg/L	1.1	0.15
		SW8260	1-Chlorohexane	544-10-5	N	0.13	U	µg/L	2.2	0.13
		SW8260	2,2-Dichloropropane	594-20-7	N	0.2	U	µg/L	2.2	0.2
		SW8260	2-Chlorotoluene	95-49-8	N	0.12	U	µg/L	2.2	0.12
		SW8260	4-Chlorotoluene	106-43-4	N	0.13	U	µg/L	2.2	0.13
		SW8260	Acetone	67-64-1	N	1	U	µg/L	22	1
		SW8260	Benzene	71-43-2	N	0.14	U	µg/L	0.9	0.14
		SW8260	Bromobenzene	108-86-1	N	0.16	U	µg/L	2.2	0.16
		SW8260	Bromochloromethane	74-97-5	N	0.2	U	µg/L	2.2	0.2
		SW8260	Bromodichloromethane	75-27-4	N	0.16	U	µg/L	1.1	0.16
		SW8260	Bromoform	75-25-2	N	0.18	U	µg/L	2.2	0.18
		SW8260	Bromomethane	74-83-9	N	0.23	U	µg/L	6.6	0.23
		SW8260	Carbon Tetrachloride	56-23-5	N	0.12	U	µg/L	2.2	0.12
		SW8260	Chlorobenzene	108-90-7	N	0.15	U	µg/L	1.1	0.15
		SW8260	Chloroethane	75-00-3	N	0.07	U	µg/L	2.2	0.07
		SW8260	Chloroform	67-66-3	N	0.85		µg/L	0.7	0.19
		SW8260	Chloromethane	74-87-3	N	0.09	U	µg/L	2.2	0.09
		SW8260	cis-1,2-DCE	156-59-2	N	11		µg/L	2.2	0.13
		SW8260	cis-1,3-Dichloropropene	10061-01-5	N	0.15	U	µg/L	1.1	0.15
		SW8260	Dibromochloromethane	124-48-1	N	0.07	U	µg/L	1.1	0.07
		SW8260	Dibromomethane	74-95-3	N	0.19	U	µg/L	2.2	0.19
		SW8260	Dichlorodifluoromethane	75-71-8	N	0.12	U	µg/L	2.2	0.12

**ATTACHMENT B2**

Summary of Site 10 EISB Treatment System Analytical Data, First Quarter 2005

LTO&M First Quarter 2005 Report, Beale Air Force Base, California – Site 10 EISB Treatment System Monitoring Data

Sample Location	Sample Date	Method	Analyte	CAS No.	QA/QC Type	Result	Flag	Units	Reporting Limit	Method Detection Limit
<b>Site 10 EISB Treatment System – Compliance Monitoring Well Results</b>										
10C051RW	3/22/2005	SW8260	Ethylbenzene	100-41-4	N	0.12	U	µg/L	2.2	0.12
		SW8260	Hexachlorobutadiene	87-68-3	N	0.16	U	µg/L	1.3	0.16
		SW8260	Isopropylbenzene	98-82-8	N	0.11	U	µg/L	2.2	0.11
		SW8260	m,p-Xylene	108-38-3/1	N	0.22	U	µg/L	4.4	0.22
		SW8260	MEK (2-Butanone)	78-93-3	N	0.6	U	µg/L	22	0.6
		SW8260	Methyl t-butyl ether (MtBE)	1634-04-4	N	0.13	U	µg/L	11	0.13
		SW8260	Methylene Chloride	75-09-2	N	0.15	U	µg/L	2.2	0.15
		SW8260	MIBK (methyl isobutyl ketone)	108-10-1	N	0.4	U	µg/L	22	0.4
		SW8260	Naphthalene	91-20-3	N	0.14	U	µg/L	2.2	0.14
		SW8260	n-Butylbenzene	104-51-8	N	0.13	U	µg/L	2.2	0.13
		SW8260	n-Propylbenzene	103-65-1	N	0.11	U	µg/L	2.2	0.11
		SW8260	o-Xylene	95-47-6	N	0.13	U	µg/L	2.2	0.13
		SW8260	p-Isopropyltoluene	99-87-6	N	0.09	U	µg/L	2.2	0.09
		SW8260	sec-Butylbenzene	135-98-8	N	0.12	U	µg/L	2.2	0.12
		SW8260	Styrene	100-42-5	N	0.11	U	µg/L	2.2	0.11
		SW8260	TCE	79-01-6	N	736		µg/L	50	3.57
		SW8260	Tert-Butylbenzene	98-06-6	N	0.12	U	µg/L	2.2	0.12
		SW8260	Tetrachloroethylene	127-18-4	N	50.7		µg/L	2.2	0.17
		SW8260	Toluene	108-88-3	N	0.12	U	µg/L	2.2	0.12
		SW8260	trans-1,2-DCE	156-60-5	N	0.16	U	µg/L	2.2	0.16
		SW8260	trans-1,3-Dichloropropene	10061-02-6	N	0.12	U	µg/L	2.2	0.12
		SW8260	Trichlorofluoromethane	75-69-4	N	0.14	U	µg/L	2.2	0.14
		SW8260	Vinyl Chloride	75-01-4	N	0.21	U	µg/L	2.2	0.21
10M005MW	1/19/2005	E300.0M	Acetic Acid	64-19-7	N	0.021	U	mg/L	0.1	0.021
		E300.0M	Lactic Acid	50-21-5	N	0.0083	U	mg/L	0.1	0.0083
		E300.0M	Propionic Acid	79-09-4	N	0.01	U	mg/L	0.1	0.01
		RSK-175	Ethane	74-84-0	N	0.031	U	µg/L	0.76	0.031
		RSK-175	Ethene	74-85-1	N	0.032	U	µg/L	0.77	0.032
		RSK-175	Methane	74-82-8	N	0.17	F	µg/L	0.57	0.018
		SW6010	Manganese, dissolved	7439-96-5_D	N	0.0003	U	mg/L	0.01	0.0003
		SW8260	1,1,1,2-Tetrachloroethane	630-20-6	N	0.06	U	µg/L	0.5	0.06
		SW8260	1,1,1-TCA	71-55-6	N	0.08	U	µg/L	1	0.08
		SW8260	1,1,2,2-Tetrachloroethane	79-34-5	N	0.06	U	µg/L	0.5	0.06

**ATTACHMENT B2**

Summary of Site 10 EISB Treatment System Analytical Data, First Quarter 2005

LTO&M First Quarter 2005 Report, Beale Air Force Base, California – Site 10 EISB Treatment System Monitoring Data

Sample Location	Sample Date	Method	Analyte	CAS No.	QA/QC Type	Result	Flag	Units	Reporting Limit	Method Detection Limit
<b>Site 10 EISB Treatment System – Compliance Monitoring Well Results</b>										
10M005MW	1/19/2005	SW8260	1,1,2-TCA	79-00-5	N	0.07	U	µg/L	1	0.07
		SW8260	1,1-DCA	75-34-3	N	0.06	U	µg/L	1	0.06
		SW8260	1,1-DCE	75-35-4	N	0.07	U	µg/L	1	0.07
		SW8260	1,1-Dichloropropene	563-58-6	N	0.05	U	µg/L	1	0.05
		SW8260	1,2,3-Trichlorobenzene	87-61-6	N	0.09	U	µg/L	1	0.09
		SW8260	1,2,3-Trichloropropane	96-18-4	N	0.08	U	µg/L	1	0.08
		SW8260	1,2,4-Trichlorobenzene	120-82-1	N	0.06	U	µg/L	1	0.06
		SW8260	1,2,4-Trimethylbenzene	95-63-6	N	0.05	U	µg/L	1	0.05
		SW8260	1,2-DCA	107-06-2	N	0.09	U	µg/L	0.5	0.09
		SW8260	1,2-DCB	95-50-1	N	0.06	U	µg/L	1	0.06
		SW8260	1,2-Dibromo-3-chloropropane	96-12-8	N	0.12	U	µg/L	2	0.12
		SW8260	1,2-Dichloropropane	78-87-5	N	0.04	U	µg/L	1	0.04
		SW8260	1,2-EDB	106-93-4	N	0.07	U	µg/L	1	0.07
		SW8260	1,3,5-Trimethylbenzene	108-67-8	N	0.06	U	µg/L	1	0.06
		SW8260	1,3-DCB	541-73-1	N	0.06	U	µg/L	1	0.06
		SW8260	1,3-Dichloropropane	142-28-9	N	0.05	U	µg/L	0.4	0.05
		SW8260	1,4-DCB	106-46-7	N	0.07	U	µg/L	0.5	0.07
		SW8260	1-Chlorohexane	544-10-5	N	0.06	U	µg/L	1	0.06
		SW8260	2,2-Dichloropropane	594-20-7	N	0.09	U	µg/L	1	0.09
		SW8260	2-Chlorotoluene	95-49-8	N	0.06	U	µg/L	1	0.06
		SW8260	4-Chlorotoluene	106-43-4	N	0.06	U	µg/L	1	0.06
		SW8260	Acetone	67-64-1	N	0.5	U	µg/L	10	0.5
		SW8260	Benzene	71-43-2	N	0.06	U	µg/L	0.4	0.06
		SW8260	Bromobenzene	108-86-1	N	0.07	U	µg/L	1	0.07
		SW8260	Bromochloromethane	74-97-5	N	0.09	U	µg/L	1	0.09
		SW8260	Bromodichloromethane	75-27-4	N	0.07	U	µg/L	0.5	0.07
		SW8260	Bromoform	75-25-2	N	0.08	U	µg/L	1	0.08
		SW8260	Bromomethane	74-83-9	N	0.1	U	µg/L	3	0.1
		SW8260	Carbon Tetrachloride	56-23-5	N	0.06	U	µg/L	1	0.06
		SW8260	Chlorobenzene	108-90-7	N	0.07	U	µg/L	0.5	0.07
		SW8260	Chloroethane	75-00-3	N	0.03	U	µg/L	1	0.03
		SW8260	Chloroform	67-66-3	N	0.09	U	µg/L	0.3	0.09
		SW8260	Chloromethane	74-87-3	N	0.04	U	µg/L	1	0.04

**ATTACHMENT B2**

Summary of Site 10 EISB Treatment System Analytical Data, First Quarter 2005

LTO&M First Quarter 2005 Report, Beale Air Force Base, California – Site 10 EISB Treatment System Monitoring Data

Sample Location	Sample Date	Method	Analyte	CAS No.	QA/QC Type	Result	Flag	Units	Reporting Limit	Method Detection Limit
<b>Site 10 EISB Treatment System – Compliance Monitoring Well Results</b>										
10M005MW	1/19/2005	SW8260	cis-1,2-DCE	156-59-2	N	0.06	U	µg/L	1	0.06
		SW8260	cis-1,3-Dichloropropene	10061-01-5	N	0.07	U	µg/L	0.5	0.07
		SW8260	Dibromochloromethane	124-48-1	N	0.03	U	µg/L	0.5	0.03
		SW8260	Dibromomethane	74-95-3	N	0.09	U	µg/L	1	0.09
		SW8260	Dichlorodifluoromethane	75-71-8	N	0.05	U	µg/L	1	0.05
		SW8260	Ethylbenzene	100-41-4	N	0.06	U	µg/L	1	0.06
		SW8260	Hexachlorobutadiene	87-68-3	N	0.07	U	µg/L	0.6	0.07
		SW8260	Isopropylbenzene	98-82-8	N	0.05	U	µg/L	1	0.05
		SW8260	m,p-Xylene	108-38-3/1	N	0.1	U	µg/L	2	0.1
		SW8260	MEK (2-Butanone)	78-93-3	N	0.3	U	µg/L	10	0.3
		SW8260	Methyl t-butyl ether (MtBE)	1634-04-4	N	0.06	U	µg/L	5	0.06
		SW8260	Methylene Chloride	75-09-2	N	0.07	U	µg/L	1	0.07
		SW8260	MIBK (methyl isobutyl ketone)	108-10-1	N	0.2	U	µg/L	10	0.2
		SW8260	Naphthalene	91-20-3	N	0.07	U	µg/L	1	0.07
		SW8260	n-Butylbenzene	104-51-8	N	0.06	U	µg/L	1	0.06
		SW8260	n-Propylbenzene	103-65-1	N	0.05	U	µg/L	1	0.05
		SW8260	o-Xylene	95-47-6	N	0.06	U	µg/L	1	0.06
		SW8260	p-Isopropyltoluene	99-87-6	N	0.04	U	µg/L	1	0.04
		SW8260	sec-Butylbenzene	135-98-8	N	0.06	U	µg/L	1	0.06
		SW8260	Styrene	100-42-5	N	0.05	U	µg/L	1	0.05
		SW8260	TCE	79-01-6	N	0.07	U	µg/L	1	0.07
		SW8260	Tert-Butylbenzene	98-06-6	N	0.06	U	µg/L	1	0.06
		SW8260	Tetrachloroethylene	127-18-4	N	0.08	U	µg/L	1	0.08
		SW8260	Toluene	108-88-3	N	0.06	U	µg/L	1	0.06
		SW8260	trans-1,2-DCE	156-60-5	N	0.07	U	µg/L	1	0.07
		SW8260	trans-1,3-Dichloropropene	10061-02-6	N	0.05	U	µg/L	1	0.05
		SW8260	Trichlorofluoromethane	75-69-4	N	0.06	U	µg/L	1	0.06
		SW8260	Vinyl Chloride	75-01-4	N	0.09	U	µg/L	1	0.09
		SW9056	Bromide	BROMIDE	N	0.0072	U	mg/L	0.5	0.0072
	3/23/2005	E300.0M	Acetic Acid	64-19-7	N	0.0077	U	mg/L	0.1	0.0077
		E300.0M	Lactic Acid	50-21-5	N	0.011	U	mg/L	0.1	0.011
		E300.0M	Propionic Acid	79-09-4	N	0.0091	U	mg/L	0.1	0.0091
		RSK-175	Ethane	74-84-0	N	0.034	U	µg/L	0.81	0.034

# ATTACHMENT B2

Summary of Site 10 EISB Treatment System Analytical Data, First Quarter 2005

LTO&M First Quarter 2005 Report, Beale Air Force Base, California – Site 10 EISB Treatment System Monitoring Data

Sample Location	Sample Date	Method	Analyte	CAS No.	QA/QC Type	Result	Flag	Units	Reporting Limit	Method Detection Limit
<b>Site 10 EISB Treatment System – Compliance Monitoring Well Results</b>										
10M005MW	3/23/2005	RSK-175	Ethene	74-85-1	N	0.034	U	µg/L	0.82	0.034
		RSK-175	Methane	74-82-8	N	0.12	F	µg/L	0.61	0.019
		SW6010	Manganese, dissolved	7439-96-5_D	N	0.0003	U	mg/L	0.01	0.0003
		SW8260	1,1,1,2-Tetrachloroethane	630-20-6	N	0.06	U	µg/L	0.5	0.06
		SW8260	1,1,1-TCA	71-55-6	N	0.08	U	µg/L	1	0.08
		SW8260	1,1,2,2-Tetrachloroethane	79-34-5	N	0.06	U	µg/L	0.5	0.06
		SW8260	1,1,2-TCA	79-00-5	N	0.07	U	µg/L	1	0.07
		SW8260	1,1-DCA	75-34-3	N	0.06	U	µg/L	1	0.06
		SW8260	1,1-DCE	75-35-4	N	0.07	U	µg/L	1	0.07
		SW8260	1,1-Dichloropropene	563-58-6	N	0.05	U	µg/L	1	0.05
		SW8260	1,2,3-Trichlorobenzene	87-61-6	N	0.09	U	µg/L	1	0.09
		SW8260	1,2,3-Trichloropropane	96-18-4	N	0.08	U	µg/L	1	0.08
		SW8260	1,2,4-Trichlorobenzene	120-82-1	N	0.06	U	µg/L	1	0.06
		SW8260	1,2,4-Trimethylbenzene	95-63-6	N	0.05	U	µg/L	1	0.05
		SW8260	1,2-DCA	107-06-2	N	0.09	U	µg/L	0.5	0.09
		SW8260	1,2-DCB	95-50-1	N	0.06	U	µg/L	1	0.06
		SW8260	1,2-Dibromo-3-chloropropane	96-12-8	N	0.12	U	µg/L	2	0.12
		SW8260	1,2-Dichloropropane	78-87-5	N	0.04	U	µg/L	1	0.04
		SW8260	1,2-EDB	106-93-4	N	0.07	U	µg/L	1	0.07
		SW8260	1,3,5-Trimethylbenzene	108-67-8	N	0.06	U	µg/L	1	0.06
		SW8260	1,3-DCB	541-73-1	N	0.06	U	µg/L	1	0.06
		SW8260	1,3-Dichloropropane	142-28-9	N	0.05	U	µg/L	0.4	0.05
		SW8260	1,4-DCB	106-46-7	N	0.07	U	µg/L	0.5	0.07
		SW8260	1-Chlorohexane	544-10-5	N	0.06	U	µg/L	1	0.06
		SW8260	2,2-Dichloropropane	594-20-7	N	0.09	U	µg/L	1	0.09
		SW8260	2-Chlorotoluene	95-49-8	N	0.06	U	µg/L	1	0.06
		SW8260	4-Chlorotoluene	106-43-4	N	0.06	U	µg/L	1	0.06
		SW8260	Acetone	67-64-1	N	0.5	U	µg/L	10	0.5
		SW8260	Benzene	71-43-2	N	0.06	U	µg/L	0.4	0.06
		SW8260	Bromobenzene	108-86-1	N	0.07	U	µg/L	1	0.07
		SW8260	Bromochloromethane	74-97-5	N	0.09	U	µg/L	1	0.09
		SW8260	Bromodichloromethane	75-27-4	N	0.07	U	µg/L	0.5	0.07
		SW8260	Bromoform	75-25-2	N	0.08	U	µg/L	1	0.08

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Summary of Site 10 EISB Treatment System Analytical Data, First Quarter 2005

LTO&M First Quarter 2005 Report, Beale Air Force Base, California – Site 10 EISB Treatment System Monitoring Data

Sample Location	Sample Date	Method	Analyte	CAS No.	QA/QC Type	Result	Flag	Units	Reporting Limit	Method Detection Limit
<b>Site 10 EISB Treatment System – Compliance Monitoring Well Results</b>										
10M005MW	3/23/2005	SW8260	Bromomethane	74-83-9	N	0.1	U	µg/L	3	0.1
		SW8260	Carbon Tetrachloride	56-23-5	N	0.06	U	µg/L	1	0.06
		SW8260	Chlorobenzene	108-90-7	N	0.07	U	µg/L	0.5	0.07
		SW8260	Chloroethane	75-00-3	N	0.03	U	µg/L	1	0.03
		SW8260	Chloroform	67-66-3	N	0.09	U	µg/L	0.3	0.09
		SW8260	Chloromethane	74-87-3	N	0.04	U	µg/L	1	0.04
		SW8260	cis-1,2-DCE	156-59-2	N	0.06	U	µg/L	1	0.06
		SW8260	cis-1,3-Dichloropropene	10061-01-5	N	0.07	U	µg/L	0.5	0.07
		SW8260	Dibromochloromethane	124-48-1	N	0.03	U	µg/L	0.5	0.03
		SW8260	Dibromomethane	74-95-3	N	0.09	U	µg/L	1	0.09
		SW8260	Dichlorodifluoromethane	75-71-8	N	0.05	U	µg/L	1	0.05
		SW8260	Ethylbenzene	100-41-4	N	0.06	U	µg/L	1	0.06
		SW8260	Hexachlorobutadiene	87-68-3	N	0.07	U	µg/L	0.6	0.07
		SW8260	Isopropylbenzene	98-82-8	N	0.05	U	µg/L	1	0.05
		SW8260	m,p-Xylene	108-38-3/1	N	0.1	U	µg/L	2	0.1
		SW8260	MEK (2-Butanone)	78-93-3	N	0.3	U	µg/L	10	0.3
		SW8260	Methyl t-butyl ether (MtBE)	1634-04-4	N	0.06	U	µg/L	5	0.06
		SW8260	Methylene Chloride	75-09-2	N	0.07	U	µg/L	1	0.07
		SW8260	MIBK (methyl isobutyl ketone)	108-10-1	N	0.2	U	µg/L	10	0.2
		SW8260	Naphthalene	91-20-3	N	0.07	U	µg/L	1	0.07
		SW8260	n-Butylbenzene	104-51-8	N	0.06	U	µg/L	1	0.06
		SW8260	n-Propylbenzene	103-65-1	N	0.05	U	µg/L	1	0.05
		SW8260	o-Xylene	95-47-6	N	0.06	U	µg/L	1	0.06
		SW8260	p-Isopropyltoluene	99-87-6	N	0.04	U	µg/L	1	0.04
		SW8260	sec-Butylbenzene	135-98-8	N	0.06	U	µg/L	1	0.06
		SW8260	Styrene	100-42-5	N	0.05	U	µg/L	1	0.05
		SW8260	TCE	79-01-6	N	0.07	U	µg/L	1	0.07
		SW8260	Tert-Butylbenzene	98-06-6	N	0.06	U	µg/L	1	0.06
		SW8260	Tetrachloroethylene	127-18-4	N	0.08	U	µg/L	1	0.08
		SW8260	Toluene	108-88-3	N	0.06	U	µg/L	1	0.06
		SW8260	trans-1,2-DCE	156-60-5	N	0.07	U	µg/L	1	0.07
		SW8260	trans-1,3-Dichloropropene	10061-02-6	N	0.05	U	µg/L	1	0.05
		SW8260	Trichlorofluoromethane	75-69-4	N	0.06	U	µg/L	1	0.06

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Summary of Site 10 EISB Treatment System Analytical Data, First Quarter 2005

*LTO&M First Quarter 2005 Report, Beale Air Force Base, California – Site 10 EISB Treatment System Monitoring Data*

Sample Location	Sample Date	Method	Analyte	CAS No.	QA/QC Type	Result	Flag	Units	Reporting Limit	Method Detection Limit
<b>Site 10 EISB Treatment System – Compliance Monitoring Well Results</b>										
10M005MW	3/23/2005	SW8260	Vinyl Chloride	75-01-4	N	0.09	U	µg/L	1	0.09

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Summary of Site 10 EISB Treatment System Analytical Data, First Quarter 2005

LTO&M First Quarter 2005 Report, Beale Air Force Base, California – Site 10 EISB Treatment System Monitoring Data

Sample Location	Sample Date	Method	Analyte	CAS No.	QA/QC Type	Result	Flag	Units	Reporting Limit	Method Detection Limit
<b>Site 10 EISB Treatment System – Performance Monitoring Well Results</b>										
10C001MW	1/17/2005	E300.0M	Acetic Acid	64-19-7	N	0.041	F	mg/L	0.1	0.021
		E300.0M	Lactic Acid	50-21-5	N	0.027	F	mg/L	0.1	0.0083
		E300.0M	Propionic Acid	79-09-4	N	0.01	U	mg/L	0.1	0.01
		RSK-175	Ethane	74-84-0	N	0.032	U	µg/L	0.77	0.032
		RSK-175	Ethene	74-85-1	N	0.032	U	µg/L	0.78	0.032
		RSK-175	Methane	74-82-8	N	0.38	F	µg/L	0.58	0.018
		SW6010	Iron, dissolved	7439-89-6_D	N	0.012	F	mg/L	0.2	0.005
		SW6010	Manganese, dissolved	7439-96-5_D	N	0.0003	U	mg/L	0.01	0.0003
		SW8260	1,1,1,2-Tetrachloroethane	630-20-6	N	0.46	U	µg/L	2.5	0.46
		SW8260	1,1,1-TCA	71-55-6	N	0.53	U	µg/L	5	0.53
		SW8260	1,1,2,2-Tetrachloroethane	79-34-5	N	0.57	U	µg/L	2.5	0.57
		SW8260	1,1,2-TCA	79-00-5	N	0.68	U	µg/L	5	0.68
		SW8260	1,1-DCA	75-34-3	N	0.66	U	µg/L	5	0.66
		SW8260	1,1-DCE	75-35-4	N	0.63	U	µg/L	5	0.63
		SW8260	1,1-Dichloropropene	563-58-6	N	0.35	U	µg/L	5	0.35
		SW8260	1,2,3-Trichlorobenzene	87-61-6	N	0.37	U	µg/L	5	0.37
		SW8260	1,2,3-Trichloropropane	96-18-4	N	0.54	U	µg/L	5	0.54
		SW8260	1,2,4-Trichlorobenzene	120-82-1	N	0.39	U	µg/L	5	0.39
		SW8260	1,2,4-Trimethylbenzene	95-63-6	N	0.36	U	µg/L	5	0.36
		SW8260	1,2-DCA	107-06-2	N	0.5	U	µg/L	2.5	0.5
		SW8260	1,2-DCB	95-50-1	N	0.53	U	µg/L	5	0.53
		SW8260	1,2-Dibromo-3-chloropropane	96-12-8	N	0.58	U	µg/L	10	0.58
		SW8260	1,2-Dichloropropane	78-87-5	N	0.59	U	µg/L	5	0.59
		SW8260	1,2-EDB	106-93-4	N	0.43	U	µg/L	5	0.43
		SW8260	1,3,5-Trimethylbenzene	108-67-8	N	0.42	U	µg/L	5	0.42
		SW8260	1,3-DCB	541-73-1	N	0.51	U	µg/L	5	0.51
		SW8260	1,3-Dichloropropane	142-28-9	N	0.43	U	µg/L	2	0.43
		SW8260	1,4-DCB	106-46-7	N	0.67	U	µg/L	2.5	0.67
		SW8260	1-Chlorohexane	544-10-5	N	0.31	U	µg/L	5	0.31
		SW8260	2,2-Dichloropropane	594-20-7	N	0.58	U	µg/L	5	0.58
		SW8260	2-Chlorotoluene	95-49-8	N	0.41	U	µg/L	5	0.41
		SW8260	4-Chlorotoluene	106-43-4	N	0.37	U	µg/L	5	0.37
		SW8260	Acetone	67-64-1	N	3.2	U	µg/L	50	3.2

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Summary of Site 10 EISB Treatment System Analytical Data, First Quarter 2005

LTO&M First Quarter 2005 Report, Beale Air Force Base, California – Site 10 EISB Treatment System Monitoring Data

Sample Location	Sample Date	Method	Analyte	CAS No.	QA/QC Type	Result	Flag	Units	Reporting Limit	Method Detection Limit
<b>Site 10 EISB Treatment System – Performance Monitoring Well Results</b>										
10C001MW	1/17/2005	SW8260	Benzene	71-43-2	N	0.36	U	µg/L	2	0.36
		SW8260	Bromobenzene	108-86-1	N	0.55	U	µg/L	5	0.55
		SW8260	Bromochloromethane	74-97-5	N	0.66	U	µg/L	5	0.66
		SW8260	Bromodichloromethane	75-27-4	N	0.59	U	µg/L	2.5	0.59
		SW8260	Bromoform	75-25-2	N	0.38	U	µg/L	5	0.38
		SW8260	Bromomethane	74-83-9	N	1.14	U	µg/L	15	1.14
		SW8260	Carbon Tetrachloride	56-23-5	N	0.39	U	µg/L	5	0.39
		SW8260	Chlorobenzene	108-90-7	N	0.62	U	µg/L	2.5	0.62
		SW8260	Chloroethane	75-00-3	N	1.01	U	µg/L	5	1.01
		SW8260	Chloroform	67-66-3	N	0.69	F	µg/L	1.5	0.63
		SW8260	Chloromethane	74-87-3	N	0.73	U	µg/L	5	0.73
		SW8260	cis-1,2-DCE	156-59-2	N	301		µg/L	5	0.48
		SW8260	cis-1,3-Dichloropropene	10061-01-5	N	0.51	U	µg/L	2.5	0.51
		SW8260	Dibromochloromethane	124-48-1	N	0.45	U	µg/L	2.5	0.45
		SW8260	Dibromomethane	74-95-3	N	0.57	U	µg/L	5	0.57
		SW8260	Dichlorodifluoromethane	75-71-8	N	0.66	U	µg/L	5	0.66
		SW8260	Ethylbenzene	100-41-4	N	0.39	U	µg/L	5	0.39
		SW8260	Hexachlorobutadiene	87-68-3	N	0.47	U	µg/L	3	0.47
		SW8260	Isopropylbenzene	98-82-8	N	0.39	U	µg/L	5	0.39
		SW8260	m,p-Xylene	108-38-3/1	N	0.68	U	µg/L	10	0.68
		SW8260	MEK (2-Butanone)	78-93-3	N	0.9	U	µg/L	50	0.9
		SW8260	Methyl t-butyl ether (MtBE)	1634-04-4	N	0.75	U	µg/L	25	0.75
		SW8260	Methylene Chloride	75-09-2	N	0.99	U	µg/L	5	0.99
		SW8260	MIBK (methyl isobutyl ketone)	108-10-1	N	0.7	U	µg/L	50	0.7
		SW8260	Naphthalene	91-20-3	N	0.26	U	µg/L	5	0.26
		SW8260	n-Butylbenzene	104-51-8	N	0.44	U	µg/L	5	0.44
		SW8260	n-Propylbenzene	103-65-1	N	0.38	U	µg/L	5	0.38
		SW8260	o-Xylene	95-47-6	N	0.44	U	µg/L	5	0.44
		SW8260	p-Isopropyltoluene	99-87-6	N	0.45	U	µg/L	5	0.45
		SW8260	sec-Butylbenzene	135-98-8	N	0.37	U	µg/L	5	0.37
		SW8260	Styrene	100-42-5	N	0.41	U	µg/L	5	0.41
		SW8260	TCE	79-01-6	N	993		µg/L	50	4.93
		SW8260	Tert-Butylbenzene	98-06-6	N	0.35	U	µg/L	5	0.35

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Summary of Site 10 EISB Treatment System Analytical Data, First Quarter 2005

LTO&M First Quarter 2005 Report, Beale Air Force Base, California – Site 10 EISB Treatment System Monitoring Data

Sample Location	Sample Date	Method	Analyte	CAS No.	QA/QC Type	Result	Flag	Units	Reporting Limit	Method Detection Limit
<b>Site 10 EISB Treatment System – Performance Monitoring Well Results</b>										
10C001MW	1/17/2005	SW8260	Tetrachloroethylene	127-18-4	N	74.3		µg/L	5	0.36
		SW8260	Toluene	108-88-3	N	0.39	U	µg/L	5	0.39
		SW8260	trans-1,2-DCE	156-60-5	N	0.55	F	µg/L	5	0.47
		SW8260	trans-1,3-Dichloropropene	10061-02-6	N	0.33	U	µg/L	5	0.33
		SW8260	Trichlorofluoromethane	75-69-4	N	0.87	U	µg/L	5	0.87
		SW8260	Vinyl Chloride	75-01-4	N	1.04	U	µg/L	5	1.04
		SW9056	Chloride	CHLORIDE	N	22.9		mg/L	5	0.055
		SW9056	Nitrate-N	NITRATE	N	1.52		mg/L	1	0.0022
		SW9056	Phosphate	Phosphate	N	0.013	UM	mg/L	1	0.013
		SW9056	Sulfate	SULFATE	N	9.98		mg/L	1	0.008
	3/21/2005	E300.0M	Acetic Acid	64-19-7	N	0.0077	U	mg/L	0.1	0.0077
		E300.0M	Lactic Acid	50-21-5	N	0.011	U	mg/L	0.1	0.011
		E300.0M	Propionic Acid	79-09-4	N	0.0091	U	mg/L	0.1	0.0091
		RSK-175	Ethane	74-84-0	N	0.034	U	µg/L	0.82	0.034
		RSK-175	Ethene	74-85-1	N	0.034	U	µg/L	0.82	0.034
		RSK-175	Methane	74-82-8	N	0.23	F	µg/L	0.61	0.02
		SW6010	Iron, dissolved	7439-89-6_D	N	0.008	F	mg/L	0.2	0.004
		SW6010	Manganese, dissolved	7439-96-5_D	N	0.0012	F	mg/L	0.01	0.0006
		SW8260	1,1,1,2-Tetrachloroethane	630-20-6	N	0.29	U	µg/L	2.5	0.29
		SW8260	1,1,1-TCA	71-55-6	N	0.39	U	µg/L	5	0.39
		SW8260	1,1,2,2-Tetrachloroethane	79-34-5	N	0.28	U	µg/L	2.5	0.28
		SW8260	1,1,2-TCA	79-00-5	N	0.36	U	µg/L	5	0.36
		SW8260	1,1-DCA	75-34-3	N	0.3	U	µg/L	5	0.3
		SW8260	1,1-DCE	75-35-4	N	0.37	U	µg/L	5	0.37
		SW8260	1,1-Dichloropropene	563-58-6	N	0.27	U	µg/L	5	0.27
		SW8260	1,2,3-Trichlorobenzene	87-61-6	N	0.44	U	µg/L	5	0.44
		SW8260	1,2,3-Trichloropropane	96-18-4	N	0.38	U	µg/L	5	0.38
		SW8260	1,2,4-Trichlorobenzene	120-82-1	N	0.32	U	µg/L	5	0.32
		SW8260	1,2,4-Trimethylbenzene	95-63-6	N	0.23	U	µg/L	5	0.23
		SW8260	1,2-DCA	107-06-2	N	0.43	U	µg/L	2.5	0.43
		SW8260	1,2-DCB	95-50-1	N	0.3	U	µg/L	5	0.3
		SW8260	1,2-Dibromo-3-chloropropane	96-12-8	N	0.59	U	µg/L	10	0.59
		SW8260	1,2-Dichloropropane	78-87-5	N	0.2	U	µg/L	5	0.2

**ATTACHMENT B2**

Summary of Site 10 EISB Treatment System Analytical Data, First Quarter 2005

LTO&M First Quarter 2005 Report, Beale Air Force Base, California – Site 10 EISB Treatment System Monitoring Data

Sample Location	Sample Date	Method	Analyte	CAS No.	QA/QC Type	Result	Flag	Units	Reporting Limit	Method Detection Limit
<b>Site 10 EISB Treatment System – Performance Monitoring Well Results</b>										
10C001MW	3/21/2005	SW8260	1,2-EDB	106-93-4	N	0.37	U	µg/L	5	0.37
		SW8260	1,3,5-Trimethylbenzene	108-67-8	N	0.3	U	µg/L	5	0.3
		SW8260	1,3-DCB	541-73-1	N	0.32	U	µg/L	5	0.32
		SW8260	1,3-Dichloropropane	142-28-9	N	0.25	U	µg/L	2	0.25
		SW8260	1,4-DCB	106-46-7	N	0.34	U	µg/L	2.5	0.34
		SW8260	1-Chlorohexane	544-10-5	N	0.29	U	µg/L	5	0.29
		SW8260	2,2-Dichloropropane	594-20-7	N	0.45	U	µg/L	5	0.45
		SW8260	2-Chlorotoluene	95-49-8	N	0.28	U	µg/L	5	0.28
		SW8260	4-Chlorotoluene	106-43-4	N	0.3	U	µg/L	5	0.3
		SW8260	Acetone	67-64-1	N	2.4	U	µg/L	50	2.4
		SW8260	Benzene	71-43-2	N	0.31	U	µg/L	2	0.31
		SW8260	Bromobenzene	108-86-1	N	0.37	U	µg/L	5	0.37
		SW8260	Bromochloromethane	74-97-5	N	0.46	U	µg/L	5	0.46
		SW8260	Bromodichloromethane	75-27-4	N	0.36	U	µg/L	2.5	0.36
		SW8260	Bromoform	75-25-2	N	0.42	U	µg/L	5	0.42
		SW8260	Bromomethane	74-83-9	N	0.51	U	µg/L	15	0.51
		SW8260	Carbon Tetrachloride	56-23-5	N	0.28	U	µg/L	5	0.28
		SW8260	Chlorobenzene	108-90-7	N	0.35	U	µg/L	2.5	0.35
		SW8260	Chloroethane	75-00-3	N	0.16	U	µg/L	5	0.16
		SW8260	Chloroform	67-66-3	N	0.74	F	µg/L	1.5	0.44
		SW8260	Chloromethane	74-87-3	N	0.2	U	µg/L	5	0.2
		SW8260	cis-1,2-DCE	156-59-2	N	342		µg/L	5	0.29
		SW8260	cis-1,3-Dichloropropene	10061-01-5	N	0.35	U	µg/L	2.5	0.35
		SW8260	Dibromochloromethane	124-48-1	N	0.16	U	µg/L	2.5	0.16
		SW8260	Dibromomethane	74-95-3	N	0.43	U	µg/L	5	0.43
		SW8260	Dichlorodifluoromethane	75-71-8	N	0.27	U	µg/L	5	0.27
		SW8260	Ethylbenzene	100-41-4	N	0.28	U	µg/L	5	0.28
		SW8260	Hexachlorobutadiene	87-68-3	N	0.37	U	µg/L	3	0.37
		SW8260	Isopropylbenzene	98-82-8	N	0.25	U	µg/L	5	0.25
		SW8260	m,p-Xylene	108-38-3/1	N	0.5	U	µg/L	10	0.5
		SW8260	MEK (2-Butanone)	78-93-3	N	1.4	U	µg/L	50	1.4
		SW8260	Methyl t-butyl ether (MtBE)	1634-04-4	N	0.29	U	µg/L	25	0.29
		SW8260	Methylene Chloride	75-09-2	N	0.33	U	µg/L	5	0.33

**ATTACHMENT B2**

Summary of Site 10 EISB Treatment System Analytical Data, First Quarter 2005

LTO&M First Quarter 2005 Report, Beale Air Force Base, California – Site 10 EISB Treatment System Monitoring Data

Sample Location	Sample Date	Method	Analyte	CAS No.	QA/QC Type	Result	Flag	Units	Reporting Limit	Method Detection Limit
<b>Site 10 EISB Treatment System – Performance Monitoring Well Results</b>										
10C001MW	3/21/2005	SW8260	MIBK (methyl isobutyl ketone)	108-10-1	N	0.9	U	µg/L	50	0.9
		SW8260	Naphthalene	91-20-3	N	0.33	U	µg/L	5	0.33
		SW8260	n-Butylbenzene	104-51-8	N	0.3	U	µg/L	5	0.3
		SW8260	n-Propylbenzene	103-65-1	N	0.25	U	µg/L	5	0.25
		SW8260	o-Xylene	95-47-6	N	0.3	U	µg/L	5	0.3
		SW8260	p-Isopropyltoluene	99-87-6	N	0.21	U	µg/L	5	0.21
		SW8260	sec-Butylbenzene	135-98-8	N	0.28	U	µg/L	5	0.28
		SW8260	Styrene	100-42-5	N	0.25	U	µg/L	5	0.25
		SW8260	TCE	79-01-6	N	1000		µg/L	50	3.57
		SW8260	Tert-Butylbenzene	98-06-6	N	0.28	U	µg/L	5	0.28
		SW8260	Tetrachloroethylene	127-18-4	N	91.3		µg/L	5	0.39
		SW8260	Toluene	108-88-3	N	0.28	U	µg/L	5	0.28
		SW8260	trans-1,2-DCE	156-60-5	N	0.36	U	µg/L	5	0.36
		SW8260	trans-1,3-Dichloropropene	10061-02-6	N	0.27	U	µg/L	5	0.27
		SW8260	Trichlorofluoromethane	75-69-4	N	0.32	U	µg/L	5	0.32
		SW8260	Vinyl Chloride	75-01-4	N	0.47	U	µg/L	5	0.47
		SW9030	Sulfide	SULFIDE	N	0.97	U	mg/L	2	0.97
		SW9056	Chloride	CHLORIDE	N	23.4		mg/L	5	0.055
		SW9056	Nitrate-N	NITRATE	N	1.27		mg/L	1	0.0022
		SW9056	Nitrite-N	NITRITE	N	0.0058	U	mg/L	1	0.0058
		SW9056	Phosphate	Phosphate	N	0.08	F	mg/L	1	0.013
		SW9056	Sulfate	SULFATE	N	6.38		mg/L	1	0.008
10C033RW	1/18/2005	SW8260	1,1,1,2-Tetrachloroethane	630-20-6	N	0.09	U	µg/L	0.5	0.09
		SW8260	1,1,1-TCA	71-55-6	N	0.11	U	µg/L	1	0.11
		SW8260	1,1,2,2-Tetrachloroethane	79-34-5	N	0.11	U	µg/L	0.5	0.11
		SW8260	1,1,2-TCA	79-00-5	N	0.14	U	µg/L	1	0.14
		SW8260	1,1-DCA	75-34-3	N	0.13	U	µg/L	1	0.13
		SW8260	1,1-DCE	75-35-4	N	0.13	U	µg/L	1	0.13
		SW8260	1,1-Dichloropropene	563-58-6	N	0.07	U	µg/L	1	0.07
		SW8260	1,2,3-Trichlorobenzene	87-61-6	N	0.07	U	µg/L	1	0.07
		SW8260	1,2,3-Trichloropropane	96-18-4	N	0.11	U	µg/L	1	0.11
		SW8260	1,2,4-Trichlorobenzene	120-82-1	N	0.08	U	µg/L	1	0.08
		SW8260	1,2,4-Trimethylbenzene	95-63-6	N	0.07	U	µg/L	1	0.07

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Summary of Site 10 EISB Treatment System Analytical Data, First Quarter 2005

LTO&M First Quarter 2005 Report, Beale Air Force Base, California – Site 10 EISB Treatment System Monitoring Data

Sample Location	Sample Date	Method	Analyte	CAS No.	QA/QC Type	Result	Flag	Units	Reporting Limit	Method Detection Limit
<b>Site 10 EISB Treatment System – Performance Monitoring Well Results</b>										
10C033RW	1/18/2005	SW8260	1,2-DCA	107-06-2	N	0.1	U	µg/L	0.5	0.1
		SW8260	1,2-DCB	95-50-1	N	0.11	U	µg/L	1	0.11
		SW8260	1,2-Dibromo-3-chloropropane	96-12-8	N	0.12	U	µg/L	2	0.12
		SW8260	1,2-Dichloropropane	78-87-5	N	0.12	U	µg/L	1	0.12
		SW8260	1,2-EDB	106-93-4	N	0.09	U	µg/L	1	0.09
		SW8260	1,3,5-Trimethylbenzene	108-67-8	N	0.08	U	µg/L	1	0.08
		SW8260	1,3-DCB	541-73-1	N	0.1	U	µg/L	1	0.1
		SW8260	1,3-Dichloropropane	142-28-9	N	0.09	U	µg/L	0.4	0.09
		SW8260	1,4-DCB	106-46-7	N	0.13	U	µg/L	0.5	0.13
		SW8260	1-Chlorohexane	544-10-5	N	0.06	U	µg/L	1	0.06
		SW8260	2,2-Dichloropropane	594-20-7	N	0.12	U	µg/L	1	0.12
		SW8260	2-Chlorotoluene	95-49-8	N	0.08	U	µg/L	1	0.08
		SW8260	4-Chlorotoluene	106-43-4	N	0.07	U	µg/L	1	0.07
		SW8260	Acetone	67-64-1	N	1.2	F	µg/L	10	0.6
		SW8260	Benzene	71-43-2	N	0.07	U	µg/L	0.4	0.07
		SW8260	Bromobenzene	108-86-1	N	0.11	U	µg/L	1	0.11
		SW8260	Bromochloromethane	74-97-5	N	0.13	U	µg/L	1	0.13
		SW8260	Bromodichloromethane	75-27-4	N	0.12	U	µg/L	0.5	0.12
		SW8260	Bromoform	75-25-2	N	0.08	U	µg/L	1	0.08
		SW8260	Bromomethane	74-83-9	N	0.23	U	µg/L	3	0.23
		SW8260	Carbon Tetrachloride	56-23-5	N	0.08	U	µg/L	1	0.08
		SW8260	Chlorobenzene	108-90-7	N	0.12	U	µg/L	0.5	0.12
		SW8260	Chloroethane	75-00-3	N	0.2	U	µg/L	1	0.2
		SW8260	Chloroform	67-66-3	N	0.13	U	µg/L	0.3	0.13
		SW8260	Chloromethane	74-87-3	N	0.15	U	µg/L	1	0.15
		SW8260	cis-1,2-DCE	156-59-2	N	14.4		µg/L	1	0.1
		SW8260	cis-1,3-Dichloropropene	10061-01-5	N	0.1	U	µg/L	0.5	0.1
		SW8260	Dibromochloromethane	124-48-1	N	0.09	U	µg/L	0.5	0.09
		SW8260	Dibromomethane	74-95-3	N	0.11	U	µg/L	1	0.11
		SW8260	Dichlorodifluoromethane	75-71-8	N	0.13	U	µg/L	1	0.13
		SW8260	Ethylbenzene	100-41-4	N	0.08	U	µg/L	1	0.08
		SW8260	Hexachlorobutadiene	87-68-3	N	0.09	U	µg/L	0.6	0.09
		SW8260	Isopropylbenzene	98-82-8	N	0.08	U	µg/L	1	0.08

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Summary of Site 10 EISB Treatment System Analytical Data, First Quarter 2005

LTO&M First Quarter 2005 Report, Beale Air Force Base, California – Site 10 EISB Treatment System Monitoring Data

Sample Location	Sample Date	Method	Analyte	CAS No.	QA/QC Type	Result	Flag	Units	Reporting Limit	Method Detection Limit
Site 10 EISB Treatment System – Performance Monitoring Well Results										
10C033RW	1/18/2005	SW8260	m,p-Xylene	108-38-3/1	N	0.14	U	µg/L	2	0.14
		SW8260	MEK (2-Butanone)	78-93-3	N	0.2	U	µg/L	10	0.2
		SW8260	Methyl t-butyl ether (MtBE)	1634-04-4	N	0.15	U	µg/L	5	0.15
		SW8260	Methylene Chloride	75-09-2	N	0.2	U	µg/L	1	0.2
		SW8260	MIBK (methyl isobutyl ketone)	108-10-1	N	0.1	U	µg/L	10	0.1
		SW8260	Naphthalene	91-20-3	N	0.05	U	µg/L	1	0.05
		SW8260	n-Butylbenzene	104-51-8	N	0.09	U	µg/L	1	0.09
		SW8260	n-Propylbenzene	103-65-1	N	0.08	U	µg/L	1	0.08
		SW8260	o-Xylene	95-47-6	N	0.09	U	µg/L	1	0.09
		SW8260	p-Isopropyltoluene	99-87-6	N	0.09	U	µg/L	1	0.09
		SW8260	sec-Butylbenzene	135-98-8	N	0.07	U	µg/L	1	0.07
		SW8260	Styrene	100-42-5	N	0.08	U	µg/L	1	0.08
		SW8260	TCE	79-01-6	N	20.7		µg/L	1	0.1
		SW8260	Tert-Butylbenzene	98-06-6	N	0.07	U	µg/L	1	0.07
		SW8260	Tetrachloroethylene	127-18-4	N	0.32	F	µg/L	1	0.07
		SW8260	Toluene	108-88-3	N	0.08	U	µg/L	1	0.08
		SW8260	trans-1,2-DCE	156-60-5	N	0.09	U	µg/L	1	0.09
		SW8260	trans-1,3-Dichloropropene	10061-02-6	N	0.07	U	µg/L	1	0.07
		SW8260	Trichlorofluoromethane	75-69-4	N	0.17	U	µg/L	1	0.17
		SW8260	Vinyl Chloride	75-01-4	N	0.21	U	µg/L	1	0.21
10C040RW	SW8260	1,1,1,2-Tetrachloroethane	630-20-6	N	0.09	U	µg/L	0.5	0.09	
	SW8260	1,1,1-TCA	71-55-6	N	0.11	U	µg/L	1	0.11	
	SW8260	1,1,2,2-Tetrachloroethane	79-34-5	N	0.11	U	µg/L	0.5	0.11	
	SW8260	1,1,2-TCA	79-00-5	N	0.14	U	µg/L	1	0.14	
	SW8260	1,1-DCA	75-34-3	N	0.13	U	µg/L	1	0.13	
	SW8260	1,1-DCE	75-35-4	N	0.13	U	µg/L	1	0.13	
	SW8260	1,1-Dichloropropene	563-58-6	N	0.07	U	µg/L	1	0.07	
	SW8260	1,2,3-Trichlorobenzene	87-61-6	N	0.07	U	µg/L	1	0.07	
	SW8260	1,2,3-Trichloropropane	96-18-4	N	0.11	U	µg/L	1	0.11	
	SW8260	1,2,4-Trichlorobenzene	120-82-1	N	0.08	U	µg/L	1	0.08	
	SW8260	1,2,4-Trimethylbenzene	95-63-6	N	0.07	U	µg/L	1	0.07	
	SW8260	1,2-DCA	107-06-2	N	0.1	U	µg/L	0.5	0.1	
	SW8260	1,2-DCB	95-50-1	N	0.11	U	µg/L	1	0.11	

**ATTACHMENT B2**

Summary of Site 10 EISB Treatment System Analytical Data, First Quarter 2005

LTO&M First Quarter 2005 Report, Beale Air Force Base, California – Site 10 EISB Treatment System Monitoring Data

Sample Location	Sample Date	Method	Analyte	CAS No.	QA/QC Type	Result	Flag	Units	Reporting Limit	Method Detection Limit
<b>Site 10 EISB Treatment System – Performance Monitoring Well Results</b>										
10C040RW	1/18/2005	SW8260	1,2-Dibromo-3-chloropropane	96-12-8	N	0.12	U	µg/L	2	0.12
		SW8260	1,2-Dichloropropane	78-87-5	N	0.12	U	µg/L	1	0.12
		SW8260	1,2-EDB	106-93-4	N	0.09	U	µg/L	1	0.09
		SW8260	1,3,5-Trimethylbenzene	108-67-8	N	0.08	U	µg/L	1	0.08
		SW8260	1,3-DCB	541-73-1	N	0.1	U	µg/L	1	0.1
		SW8260	1,3-Dichloropropane	142-28-9	N	0.09	U	µg/L	0.4	0.09
		SW8260	1,4-DCB	106-46-7	N	0.13	U	µg/L	0.5	0.13
		SW8260	1-Chlorohexane	544-10-5	N	0.06	U	µg/L	1	0.06
		SW8260	2,2-Dichloropropane	594-20-7	N	0.12	U	µg/L	1	0.12
		SW8260	2-Chlorotoluene	95-49-8	N	0.08	U	µg/L	1	0.08
		SW8260	4-Chlorotoluene	106-43-4	N	0.07	U	µg/L	1	0.07
		SW8260	Acetone	67-64-1	N	0.6	U	µg/L	10	0.6
		SW8260	Benzene	71-43-2	N	0.07	U	µg/L	0.4	0.07
		SW8260	Bromobenzene	108-86-1	N	0.11	U	µg/L	1	0.11
		SW8260	Bromochloromethane	74-97-5	N	0.13	U	µg/L	1	0.13
		SW8260	Bromodichloromethane	75-27-4	N	0.12	U	µg/L	0.5	0.12
		SW8260	Bromoform	75-25-2	N	0.08	U	µg/L	1	0.08
		SW8260	Bromomethane	74-83-9	N	0.23	U	µg/L	3	0.23
		SW8260	Carbon Tetrachloride	56-23-5	N	0.08	U	µg/L	1	0.08
		SW8260	Chlorobenzene	108-90-7	N	0.12	U	µg/L	0.5	0.12
		SW8260	Chloroethane	75-00-3	N	0.2	U	µg/L	1	0.2
		SW8260	Chloroform	67-66-3	N	0.13	U	µg/L	0.3	0.13
		SW8260	Chloromethane	74-87-3	N	0.15	U	µg/L	1	0.15
		SW8260	cis-1,2-DCE	156-59-2	N	12.3		µg/L	1	0.1
		SW8260	cis-1,3-Dichloropropene	10061-01-5	N	0.1	U	µg/L	0.5	0.1
		SW8260	Dibromochloromethane	124-48-1	N	0.09	U	µg/L	0.5	0.09
		SW8260	Dibromomethane	74-95-3	N	0.11	U	µg/L	1	0.11
		SW8260	Dichlorodifluoromethane	75-71-8	N	0.13	U	µg/L	1	0.13
		SW8260	Ethylbenzene	100-41-4	N	0.08	U	µg/L	1	0.08
		SW8260	Hexachlorobutadiene	87-68-3	N	0.09	U	µg/L	0.6	0.09
		SW8260	Isopropylbenzene	98-82-8	N	0.08	U	µg/L	1	0.08
		SW8260	m,p-Xylene	108-38-3/1	N	0.14	U	µg/L	2	0.14
		SW8260	MEK (2-Butanone)	78-93-3	N	0.2	U	µg/L	10	0.2

**ATTACHMENT B2**

Summary of Site 10 EISB Treatment System Analytical Data, First Quarter 2005

LTO&M First Quarter 2005 Report, Beale Air Force Base, California – Site 10 EISB Treatment System Monitoring Data

Sample Location	Sample Date	Method	Analyte	CAS No.	QA/QC Type	Result	Flag	Units	Reporting Limit	Method Detection Limit
<b>Site 10 EISB Treatment System – Performance Monitoring Well Results</b>										
10C040RW	1/18/2005	SW8260	Methyl t-butyl ether (MtBE)	1634-04-4	N	0.15	U	µg/L	5	0.15
		SW8260	Methylene Chloride	75-09-2	N	0.2	U	µg/L	1	0.2
		SW8260	MIBK (methyl isobutyl ketone)	108-10-1	N	0.1	U	µg/L	10	0.1
		SW8260	Naphthalene	91-20-3	N	0.05	U	µg/L	1	0.05
		SW8260	n-Butylbenzene	104-51-8	N	0.09	U	µg/L	1	0.09
		SW8260	n-Propylbenzene	103-65-1	N	0.08	U	µg/L	1	0.08
		SW8260	o-Xylene	95-47-6	N	0.09	U	µg/L	1	0.09
		SW8260	p-Isopropyltoluene	99-87-6	N	0.09	U	µg/L	1	0.09
		SW8260	sec-Butylbenzene	135-98-8	N	0.07	U	µg/L	1	0.07
		SW8260	Styrene	100-42-5	N	0.08	U	µg/L	1	0.08
		SW8260	TCE	79-01-6	N	11.9		µg/L	1	0.1
		SW8260	Tert-Butylbenzene	98-06-6	N	0.07	U	µg/L	1	0.07
		SW8260	Tetrachloroethylene	127-18-4	N	0.07	U	µg/L	1	0.07
		SW8260	Toluene	108-88-3	N	0.08	U	µg/L	1	0.08
		SW8260	trans-1,2-DCE	156-60-5	N	0.09	U	µg/L	1	0.09
		SW8260	trans-1,3-Dichloropropene	10061-02-6	N	0.07	U	µg/L	1	0.07
		SW8260	Trichlorofluoromethane	75-69-4	N	0.17	U	µg/L	1	0.17
10C047MW	1/17/2005	SW8260	Vinyl Chloride	75-01-4	N	0.21	U	µg/L	1	0.21
		E300.0M	Acetic Acid	64-19-7	N	0.021	U	mg/L	0.1	0.021
		E300.0M	Lactic Acid	50-21-5	N	0.0083	U	mg/L	0.1	0.0083
		E300.0M	Propionic Acid	79-09-4	N	0.01	U	mg/L	0.1	0.01
		RSK-175	Ethane	74-84-0	N	0.032	U	µg/L	0.77	0.032
		RSK-175	Ethene	74-85-1	N	0.032	U	µg/L	0.78	0.032
		RSK-175	Methane	74-82-8	N	0.21	F	µg/L	0.58	0.018
		SW6010	Iron, dissolved	7439-89-6_D	N	0.008	F	mg/L	0.2	0.005
		SW6010	Manganese, dissolved	7439-96-5_D	N	0.0005	F	mg/L	0.01	0.0003
		SW8260	1,1,1,2-Tetrachloroethane	630-20-6	N	0.09	U	µg/L	0.5	0.09
		SW8260	1,1,1-TCA	71-55-6	N	0.11	U	µg/L	1	0.11
		SW8260	1,1,2,2-Tetrachloroethane	79-34-5	N	0.11	U	µg/L	0.5	0.11
		SW8260	1,1,2-TCA	79-00-5	N	0.14	U	µg/L	1	0.14
		SW8260	1,1-DCA	75-34-3	N	0.13	U	µg/L	1	0.13
		SW8260	1,1-DCE	75-35-4	N	0.13	U	µg/L	1	0.13
		SW8260	1,1-Dichloropropene	563-58-6	N	0.07	U	µg/L	1	0.07

**ATTACHMENT B2**

Summary of Site 10 EISB Treatment System Analytical Data, First Quarter 2005

LTO&M First Quarter 2005 Report, Beale Air Force Base, California – Site 10 EISB Treatment System Monitoring Data

Sample Location	Sample Date	Method	Analyte	CAS No.	QA/QC Type	Result	Flag	Units	Reporting Limit	Method Detection Limit
<b>Site 10 EISB Treatment System – Performance Monitoring Well Results</b>										
10C047MW	1/17/2005	SW8260	1,2,3-Trichlorobenzene	87-61-6	N	0.07	U	µg/L	1	0.07
		SW8260	1,2,3-Trichloropropane	96-18-4	N	0.11	U	µg/L	1	0.11
		SW8260	1,2,4-Trichlorobenzene	120-82-1	N	0.08	U	µg/L	1	0.08
		SW8260	1,2,4-Trimethylbenzene	95-63-6	N	0.07	U	µg/L	1	0.07
		SW8260	1,2-DCA	107-06-2	N	0.1	U	µg/L	0.5	0.1
		SW8260	1,2-DCB	95-50-1	N	0.11	U	µg/L	1	0.11
		SW8260	1,2-Dibromo-3-chloropropane	96-12-8	N	0.12	U	µg/L	2	0.12
		SW8260	1,2-Dichloropropane	78-87-5	N	0.12	U	µg/L	1	0.12
		SW8260	1,2-EDB	106-93-4	N	0.09	U	µg/L	1	0.09
		SW8260	1,3,5-Trimethylbenzene	108-67-8	N	0.08	U	µg/L	1	0.08
		SW8260	1,3-DCB	541-73-1	N	0.1	U	µg/L	1	0.1
		SW8260	1,3-Dichloropropane	142-28-9	N	0.09	U	µg/L	0.4	0.09
		SW8260	1,4-DCB	106-46-7	N	0.13	U	µg/L	0.5	0.13
		SW8260	1-Chlorohexane	544-10-5	N	0.06	U	µg/L	1	0.06
		SW8260	2,2-Dichloropropane	594-20-7	N	0.12	U	µg/L	1	0.12
		SW8260	2-Chlorotoluene	95-49-8	N	0.08	U	µg/L	1	0.08
		SW8260	4-Chlorotoluene	106-43-4	N	0.07	U	µg/L	1	0.07
		SW8260	Acetone	67-64-1	N	1.5	F	µg/L	10	0.6
		SW8260	Benzene	71-43-2	N	0.07	U	µg/L	0.4	0.07
		SW8260	Bromobenzene	108-86-1	N	0.11	U	µg/L	1	0.11
		SW8260	Bromochloromethane	74-97-5	N	0.13	U	µg/L	1	0.13
		SW8260	Bromodichloromethane	75-27-4	N	0.12	U	µg/L	0.5	0.12
		SW8260	Bromoform	75-25-2	N	0.08	U	µg/L	1	0.08
		SW8260	Bromomethane	74-83-9	N	0.23	U	µg/L	3	0.23
		SW8260	Carbon Tetrachloride	56-23-5	N	0.08	U	µg/L	1	0.08
		SW8260	Chlorobenzene	108-90-7	N	0.12	U	µg/L	0.5	0.12
		SW8260	Chloroethane	75-00-3	N	0.2	U	µg/L	1	0.2
		SW8260	Chloroform	67-66-3	N	0.13	U	µg/L	0.3	0.13
		SW8260	Chloromethane	74-87-3	N	0.15	U	µg/L	1	0.15
		SW8260	cis-1,2-DCE	156-59-2	N	8.57		µg/L	1	0.1
		SW8260	cis-1,3-Dichloropropene	10061-01-5	N	0.1	U	µg/L	0.5	0.1
		SW8260	Dibromochloromethane	124-48-1	N	0.09	U	µg/L	0.5	0.09
		SW8260	Dibromomethane	74-95-3	N	0.11	U	µg/L	1	0.11

**ATTACHMENT B2**

Summary of Site 10 EISB Treatment System Analytical Data, First Quarter 2005

LTO&M First Quarter 2005 Report, Beale Air Force Base, California – Site 10 EISB Treatment System Monitoring Data

Sample Location	Sample Date	Method	Analyte	CAS No.	QA/QC Type	Result	Flag	Units	Reporting Limit	Method Detection Limit
<b>Site 10 EISB Treatment System – Performance Monitoring Well Results</b>										
10C047MW	1/17/2005	SW8260	Dichlorodifluoromethane	75-71-8	N	0.13	U	µg/L	1	0.13
		SW8260	Ethylbenzene	100-41-4	N	0.08	U	µg/L	1	0.08
		SW8260	Hexachlorobutadiene	87-68-3	N	0.09	U	µg/L	0.6	0.09
		SW8260	Isopropylbenzene	98-82-8	N	0.08	U	µg/L	1	0.08
		SW8260	m,p-Xylene	108-38-3/1	N	0.14	U	µg/L	2	0.14
		SW8260	MEK (2-Butanone)	78-93-3	N	0.2	U	µg/L	10	0.2
		SW8260	Methyl t-butyl ether (MtBE)	1634-04-4	N	0.15	U	µg/L	5	0.15
		SW8260	Methylene Chloride	75-09-2	N	0.2	U	µg/L	1	0.2
		SW8260	MIBK (methyl isobutyl ketone)	108-10-1	N	0.1	U	µg/L	10	0.1
		SW8260	Naphthalene	91-20-3	N	0.05	U	µg/L	1	0.05
		SW8260	n-Butylbenzene	104-51-8	N	0.09	U	µg/L	1	0.09
		SW8260	n-Propylbenzene	103-65-1	N	0.08	U	µg/L	1	0.08
		SW8260	o-Xylene	95-47-6	N	0.09	U	µg/L	1	0.09
		SW8260	p-Isopropyltoluene	99-87-6	N	0.09	U	µg/L	1	0.09
		SW8260	sec-Butylbenzene	135-98-8	N	0.07	U	µg/L	1	0.07
		SW8260	Styrene	100-42-5	N	0.08	U	µg/L	1	0.08
		SW8260	TCE	79-01-6	N	27		µg/L	1	0.1
		SW8260	Tert-Butylbenzene	98-06-6	N	0.07	U	µg/L	1	0.07
		SW8260	Tetrachloroethylene	127-18-4	N	1.95		µg/L	1	0.07
		SW8260	Toluene	108-88-3	N	0.08	U	µg/L	1	0.08
		SW8260	trans-1,2-DCE	156-60-5	N	0.09	U	µg/L	1	0.09
		SW8260	trans-1,3-Dichloropropene	10061-02-6	N	0.07	U	µg/L	1	0.07
		SW8260	Trichlorofluoromethane	75-69-4	N	0.17	U	µg/L	1	0.17
		SW8260	Vinyl Chloride	75-01-4	N	0.21	U	µg/L	1	0.21
		SW9056	Chloride	CHLORIDE	N	48.5		mg/L	5	0.055
		SW9056	Nitrate-N	NITRATE	N	1.21		mg/L	1	0.0022
		SW9056	Phosphate	Phosphate	N	0.013	U	mg/L	1	0.013
		SW9056	Sulfate	SULFATE	N	8.81		mg/L	1	0.008
	3/21/2005	E300.0M	Acetic Acid	64-19-7	N	0.0077	U	mg/L	0.1	0.0077
		E300.0M	Lactic Acid	50-21-5	N	0.011	U	mg/L	0.1	0.011
		E300.0M	Propionic Acid	79-09-4	N	0.0091	U	mg/L	0.1	0.0091
		RSK-175	Ethane	74-84-0	N	0.036	U	µg/L	0.86	0.036
		RSK-175	Ethene	74-85-1	N	0.048	F	µg/L	0.87	0.036

**ATTACHMENT B2**

Summary of Site 10 EISB Treatment System Analytical Data, First Quarter 2005

LTO&M First Quarter 2005 Report, Beale Air Force Base, California – Site 10 EISB Treatment System Monitoring Data

Sample Location	Sample Date	Method	Analyte	CAS No.	QA/QC Type	Result	Flag	Units	Reporting Limit	Method Detection Limit
<b>Site 10 EISB Treatment System – Performance Monitoring Well Results</b>										
10C047MW	3/21/2005	RSK-175	Methane	74-82-8	N	0.18	F	µg/L	0.65	0.021
		SW6010	Iron, dissolved	7439-89-6_D	N	0.012	F	mg/L	0.2	0.004
		SW6010	Manganese, dissolved	7439-96-5_D	N	0.0006	U	mg/L	0.01	0.0006
		SW8260	1,1,1,2-Tetrachloroethane	630-20-6	N	0.06	U	µg/L	0.5	0.06
		SW8260	1,1,1-TCA	71-55-6	N	0.08	U	µg/L	1	0.08
		SW8260	1,1,2,2-Tetrachloroethane	79-34-5	N	0.06	U	µg/L	0.5	0.06
		SW8260	1,1,2-TCA	79-00-5	N	0.07	U	µg/L	1	0.07
		SW8260	1,1-DCA	75-34-3	N	0.06	U	µg/L	1	0.06
		SW8260	1,1-DCE	75-35-4	N	0.07	U	µg/L	1	0.07
		SW8260	1,1-Dichloropropene	563-58-6	N	0.05	U	µg/L	1	0.05
		SW8260	1,2,3-Trichlorobenzene	87-61-6	N	0.09	U	µg/L	1	0.09
		SW8260	1,2,3-Trichloropropane	96-18-4	N	0.08	U	µg/L	1	0.08
		SW8260	1,2,4-Trichlorobenzene	120-82-1	N	0.06	U	µg/L	1	0.06
		SW8260	1,2,4-Trimethylbenzene	95-63-6	N	0.05	U	µg/L	1	0.05
		SW8260	1,2-DCA	107-06-2	N	0.09	U	µg/L	0.5	0.09
		SW8260	1,2-DCB	95-50-1	N	0.06	U	µg/L	1	0.06
		SW8260	1,2-Dibromo-3-chloropropane	96-12-8	N	0.12	U	µg/L	2	0.12
		SW8260	1,2-Dichloropropane	78-87-5	N	0.04	U	µg/L	1	0.04
		SW8260	1,2-EDB	106-93-4	N	0.07	U	µg/L	1	0.07
		SW8260	1,3,5-Trimethylbenzene	108-67-8	N	0.06	U	µg/L	1	0.06
		SW8260	1,3-DCB	541-73-1	N	0.06	U	µg/L	1	0.06
		SW8260	1,3-Dichloropropane	142-28-9	N	0.05	U	µg/L	0.4	0.05
		SW8260	1,4-DCB	106-46-7	N	0.07	U	µg/L	0.5	0.07
		SW8260	1-Chlorohexane	544-10-5	N	0.06	U	µg/L	1	0.06
		SW8260	2,2-Dichloropropane	594-20-7	N	0.09	U	µg/L	1	0.09
		SW8260	2-Chlorotoluene	95-49-8	N	0.06	U	µg/L	1	0.06
		SW8260	4-Chlorotoluene	106-43-4	N	0.06	U	µg/L	1	0.06
		SW8260	Acetone	67-64-1	N	6.5	F	µg/L	10	0.5
		SW8260	Benzene	71-43-2	N	0.06	U	µg/L	0.4	0.06
		SW8260	Bromobenzene	108-86-1	N	0.07	U	µg/L	1	0.07
		SW8260	Bromochloromethane	74-97-5	N	0.09	U	µg/L	1	0.09
		SW8260	Bromodichloromethane	75-27-4	N	0.07	U	µg/L	0.5	0.07
		SW8260	Bromoform	75-25-2	N	0.7	F	µg/L	1	0.08

# ATTACHMENT B2

Summary of Site 10 EISB Treatment System Analytical Data, First Quarter 2005

LTO&M First Quarter 2005 Report, Beale Air Force Base, California – Site 10 EISB Treatment System Monitoring Data

Sample Location	Sample Date	Method	Analyte	CAS No.	QA/QC Type	Result	Flag	Units	Reporting Limit	Method Detection Limit
<b>Site 10 EISB Treatment System – Performance Monitoring Well Results</b>										
10C047MW	3/21/2005	SW8260	Bromomethane	74-83-9	N	0.1	U	µg/L	3	0.1
		SW8260	Carbon Tetrachloride	56-23-5	N	0.06	U	µg/L	1	0.06
		SW8260	Chlorobenzene	108-90-7	N	0.07	U	µg/L	0.5	0.07
		SW8260	Chloroethane	75-00-3	N	0.03	U	µg/L	1	0.03
		SW8260	Chloroform	67-66-3	N	0.1	F	µg/L	0.3	0.09
		SW8260	Chloromethane	74-87-3	N	0.04	U	µg/L	1	0.04
		SW8260	cis-1,2-DCE	156-59-2	N	6.97		µg/L	1	0.06
		SW8260	cis-1,3-Dichloropropene	10061-01-5	N	0.07	U	µg/L	0.5	0.07
		SW8260	Dibromochloromethane	124-48-1	N	0.25	F	µg/L	0.5	0.03
		SW8260	Dibromomethane	74-95-3	N	0.09	U	µg/L	1	0.09
		SW8260	Dichlorodifluoromethane	75-71-8	N	0.05	U	µg/L	1	0.05
		SW8260	Ethylbenzene	100-41-4	N	0.06	U	µg/L	1	0.06
		SW8260	Hexachlorobutadiene	87-68-3	N	0.07	U	µg/L	0.6	0.07
		SW8260	Isopropylbenzene	98-82-8	N	0.05	U	µg/L	1	0.05
		SW8260	m,p-Xylene	108-38-3/1	N	0.1	U	µg/L	2	0.1
		SW8260	MEK (2-Butanone)	78-93-3	N	0.3	U	µg/L	10	0.3
		SW8260	Methyl t-butyl ether (MtBE)	1634-04-4	N	0.06	U	µg/L	5	0.06
		SW8260	Methylene Chloride	75-09-2	N	0.07	U	µg/L	1	0.07
		SW8260	MIBK (methyl isobutyl ketone)	108-10-1	N	0.2	U	µg/L	10	0.2
		SW8260	Naphthalene	91-20-3	N	0.07	U	µg/L	1	0.07
		SW8260	n-Butylbenzene	104-51-8	N	0.06	U	µg/L	1	0.06
		SW8260	n-Propylbenzene	103-65-1	N	0.05	U	µg/L	1	0.05
		SW8260	o-Xylene	95-47-6	N	0.06	U	µg/L	1	0.06
		SW8260	p-Isopropyltoluene	99-87-6	N	0.04	U	µg/L	1	0.04
		SW8260	sec-Butylbenzene	135-98-8	N	0.06	U	µg/L	1	0.06
		SW8260	Styrene	100-42-5	N	0.05	U	µg/L	1	0.05
		SW8260	TCE	79-01-6	N	37.4		µg/L	1	0.07
		SW8260	Tert-Butylbenzene	98-06-6	N	0.06	U	µg/L	1	0.06
		SW8260	Tetrachloroethylene	127-18-4	N	3.75		µg/L	1	0.08
		SW8260	Toluene	108-88-3	N	0.06	U	µg/L	1	0.06
		SW8260	trans-1,2-DCE	156-60-5	N	0.87	F	µg/L	1	0.07
		SW8260	trans-1,3-Dichloropropene	10061-02-6	N	0.05	U	µg/L	1	0.05
		SW8260	Trichlorofluoromethane	75-69-4	N	0.06	U	µg/L	1	0.06

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## Summary of Site 10 EISB Treatment System Analytical Data, First Quarter 2005

## LTO&amp;M First Quarter 2005 Report, Beale Air Force Base, California – Site 10 EISB Treatment System Monitoring Data

Sample Location	Sample Date	Method	Analyte	CAS No.	QA/QC Type	Result	Flag	Units	Reporting Limit	Method Detection Limit
<b>Site 10 EISB Treatment System – Performance Monitoring Well Results</b>										
10C047MW	3/21/2005	SW8260	Vinyl Chloride	75-01-4	N	0.09	U	µg/L	1	0.09
		SW9030	Sulfide	SULFIDE	N	2.2		mg/L	2	0.97
		SW9056	Chloride	CHLORIDE	N	40.6		mg/L	10	0.11
		SW9056	Nitrate-N	NITRATE	N	1.12		mg/L	1	0.0022
		SW9056	Nitrite-N	NITRITE	N	0.0058	U	mg/L	1	0.0058
		SW9056	Phosphate	Phosphate	N	0.061	F	mg/L	1	0.013
		SW9056	Sulfate	SULFATE	N	8.48		mg/L	1	0.008
10C048MW	1/18/2005	E300.0M	Acetic Acid	64-19-7	N	0.021	U	mg/L	0.1	0.021
		E300.0M	Lactic Acid	50-21-5	N	0.0083	U	mg/L	0.1	0.0083
		E300.0M	Propionic Acid	79-09-4	N	0.01	U	mg/L	0.1	0.01
		RSK-175	Ethane	74-84-0	N	0.21	F	µg/L	0.8	0.033
		RSK-175	Ethene	74-85-1	N	0.048	F	µg/L	0.81	0.034
		RSK-175	Methane	74-82-8	N	0.44	F	µg/L	0.6	0.019
		SW6010	Iron, dissolved	7439-89-6_D	N	0.021	F	mg/L	0.2	0.005
		SW6010	Manganese, dissolved	7439-96-5_D	N	0.004	F	mg/L	0.01	0.0003
		SW8260	1,1,1,2-Tetrachloroethane	630-20-6	N	0.09	U	µg/L	0.5	0.09
		SW8260	1,1,1-TCA	71-55-6	N	0.11	U	µg/L	1	0.11
		SW8260	1,1,2,2-Tetrachloroethane	79-34-5	N	0.11	U	µg/L	0.5	0.11
		SW8260	1,1,2-TCA	79-00-5	N	0.34	F	µg/L	1	0.14
		SW8260	1,1-DCA	75-34-3	N	0.13	U	µg/L	1	0.13
		SW8260	1,1-DCE	75-35-4	N	0.13	U	µg/L	1	0.13
		SW8260	1,1-Dichloropropene	563-58-6	N	0.07	U	µg/L	1	0.07
		SW8260	1,2,3-Trichlorobenzene	87-61-6	N	0.07	U	µg/L	1	0.07
		SW8260	1,2,3-Trichloropropane	96-18-4	N	0.11	U	µg/L	1	0.11
		SW8260	1,2,4-Trichlorobenzene	120-82-1	N	0.08	U	µg/L	1	0.08
		SW8260	1,2,4-Trimethylbenzene	95-63-6	N	0.07	U	µg/L	1	0.07
		SW8260	1,2-DCA	107-06-2	N	0.1	U	µg/L	0.5	0.1
		SW8260	1,2-DCB	95-50-1	N	0.11	U	µg/L	1	0.11
		SW8260	1,2-Dibromo-3-chloropropane	96-12-8	N	0.12	U	µg/L	2	0.12
		SW8260	1,2-Dichloropropane	78-87-5	N	0.12	U	µg/L	1	0.12
		SW8260	1,2-EDB	106-93-4	N	0.09	U	µg/L	1	0.09
		SW8260	1,3,5-Trimethylbenzene	108-67-8	N	0.08	U	µg/L	1	0.08
		SW8260	1,3-DCB	541-73-1	N	0.1	U	µg/L	1	0.1

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Summary of Site 10 EISB Treatment System Analytical Data, First Quarter 2005

LTO&M First Quarter 2005 Report, Beale Air Force Base, California – Site 10 EISB Treatment System Monitoring Data

Sample Location	Sample Date	Method	Analyte	CAS No.	QA/QC Type	Result	Flag	Units	Reporting Limit	Method Detection Limit
<b>Site 10 EISB Treatment System – Performance Monitoring Well Results</b>										
10C048MW	1/18/2005	SW8260	1,3-Dichloropropane	142-28-9	N	0.09	U	µg/L	0.4	0.09
		SW8260	1,4-DCB	106-46-7	N	0.13	U	µg/L	0.5	0.13
		SW8260	1-Chlorohexane	544-10-5	N	0.06	U	µg/L	1	0.06
		SW8260	2,2-Dichloropropane	594-20-7	N	0.12	U	µg/L	1	0.12
		SW8260	2-Chlorotoluene	95-49-8	N	0.08	U	µg/L	1	0.08
		SW8260	4-Chlorotoluene	106-43-4	N	0.07	U	µg/L	1	0.07
		SW8260	Acetone	67-64-1	N	0.6	U	µg/L	10	0.6
		SW8260	Benzene	71-43-2	N	0.11	F	µg/L	0.4	0.07
		SW8260	Bromobenzene	108-86-1	N	0.11	U	µg/L	1	0.11
		SW8260	Bromochloromethane	74-97-5	N	0.13	U	µg/L	1	0.13
		SW8260	Bromodichloromethane	75-27-4	N	0.12	U	µg/L	0.5	0.12
		SW8260	Bromoform	75-25-2	N	0.08	U	µg/L	1	0.08
		SW8260	Bromomethane	74-83-9	N	0.23	U	µg/L	3	0.23
		SW8260	Carbon Tetrachloride	56-23-5	N	0.08	U	µg/L	1	0.08
		SW8260	Chlorobenzene	108-90-7	N	0.12	U	µg/L	0.5	0.12
		SW8260	Chloroethane	75-00-3	N	0.2	U	µg/L	1	0.2
		SW8260	Chloroform	67-66-3	N	1.41		µg/L	0.3	0.13
		SW8260	Chloromethane	74-87-3	N	0.15	U	µg/L	1	0.15
		SW8260	cis-1,2-DCE	156-59-2	N	178		µg/L	100	9.51
		SW8260	cis-1,3-Dichloropropene	10061-01-5	N	0.1	U	µg/L	0.5	0.1
		SW8260	Dibromochloromethane	124-48-1	N	0.09	U	µg/L	0.5	0.09
		SW8260	Dibromomethane	74-95-3	N	0.11	U	µg/L	1	0.11
		SW8260	Dichlorodifluoromethane	75-71-8	N	0.13	U	µg/L	1	0.13
		SW8260	Ethylbenzene	100-41-4	N	0.08	U	µg/L	1	0.08
		SW8260	Hexachlorobutadiene	87-68-3	N	0.09	U	µg/L	0.6	0.09
		SW8260	Isopropylbenzene	98-82-8	N	0.08	U	µg/L	1	0.08
		SW8260	m,p-Xylene	108-38-3/1	N	0.14	U	µg/L	2	0.14
		SW8260	MEK (2-Butanone)	78-93-3	N	0.2	U	µg/L	10	0.2
		SW8260	Methyl t-butyl ether (MtBE)	1634-04-4	N	0.15	U	µg/L	5	0.15
		SW8260	Methylene Chloride	75-09-2	N	0.2	U	µg/L	1	0.2
		SW8260	MIBK (methyl isobutyl ketone)	108-10-1	N	0.1	U	µg/L	10	0.1
		SW8260	Naphthalene	91-20-3	N	0.05	U	µg/L	1	0.05
		SW8260	n-Butylbenzene	104-51-8	N	0.09	U	µg/L	1	0.09

**ATTACHMENT B2**

Summary of Site 10 EISB Treatment System Analytical Data, First Quarter 2005

LTO&M First Quarter 2005 Report, Beale Air Force Base, California – Site 10 EISB Treatment System Monitoring Data

Sample Location	Sample Date	Method	Analyte	CAS No.	QA/QC Type	Result	Flag	Units	Reporting Limit	Method Detection Limit
<b>Site 10 EISB Treatment System – Performance Monitoring Well Results</b>										
10C048MW	1/18/2005	SW8260	n-Propylbenzene	103-65-1	N	0.08	U	µg/L	1	0.08
		SW8260	o-Xylene	95-47-6	N	0.09	U	µg/L	1	0.09
		SW8260	p-Isopropyltoluene	99-87-6	N	0.09	U	µg/L	1	0.09
		SW8260	sec-Butylbenzene	135-98-8	N	0.07	U	µg/L	1	0.07
		SW8260	Styrene	100-42-5	N	0.08	U	µg/L	1	0.08
		SW8260	TCE	79-01-6	N	1660		µg/L	100	9.85
		SW8260	Tert-Butylbenzene	98-06-6	N	0.07	U	µg/L	1	0.07
		SW8260	Tetrachloroethylene	127-18-4	N	31.1		µg/L	1	0.07
		SW8260	Toluene	108-88-3	N	0.08	U	µg/L	1	0.08
		SW8260	trans-1,2-DCE	156-60-5	N	0.51	F	µg/L	1	0.09
		SW8260	trans-1,3-Dichloropropene	10061-02-6	N	0.07	U	µg/L	1	0.07
		SW8260	Trichlorofluoromethane	75-69-4	N	0.17	U	µg/L	1	0.17
		SW8260	Vinyl Chloride	75-01-4	N	0.21	U	µg/L	1	0.21
		SW9056	Chloride	CHLORIDE	N	9.15		mg/L	1	0.011
		SW9056	Nitrate-N	NITRATE	N	1.67		mg/L	1	0.0022
		SW9056	Phosphate	Phosphate	N	0.013	U	mg/L	1	0.013
		SW9056	Sulfate	SULFATE	N	7.49		mg/L	1	0.008
	3/22/2005	E300.0M	Acetic Acid	64-19-7	N	0.0077	U	mg/L	0.1	0.0077
		E300.0M	Lactic Acid	50-21-5	N	0.011	U	mg/L	0.1	0.011
		E300.0M	Propionic Acid	79-09-4	N	0.0091	U	mg/L	0.1	0.0091
		RSK-175	Ethane	74-84-0	N	0.04	U	µg/L	0.96	0.04
		RSK-175	Ethene	74-85-1	N	0.04	U	µg/L	0.96	0.04
		RSK-175	Methane	74-82-8	N	0.2	F	µg/L	0.72	0.023
		SW6010	Iron, dissolved	7439-89-6_D	N	0.006	F	mg/L	0.2	0.005
		SW6010	Manganese, dissolved	7439-96-5_D	N	0.0003	U	mg/L	0.01	0.0003
		SW8260	1,1,1,2-Tetrachloroethane	630-20-6	N	0.06	U	µg/L	0.5	0.06
		SW8260	1,1,1-TCA	71-55-6	N	0.08	U	µg/L	1	0.08
		SW8260	1,1,2,2-Tetrachloroethane	79-34-5	N	0.06	U	µg/L	0.5	0.06
		SW8260	1,1,2-TCA	79-00-5	N	0.07	U	µg/L	1	0.07
		SW8260	1,1-DCA	75-34-3	N	0.06	U	µg/L	1	0.06
		SW8260	1,1-DCE	75-35-4	N	0.07	U	µg/L	1	0.07
		SW8260	1,1-Dichloropropene	563-58-6	N	0.05	U	µg/L	1	0.05
		SW8260	1,2,3-Trichlorobenzene	87-61-6	N	0.09	U	µg/L	1	0.09

**ATTACHMENT B2**

Summary of Site 10 EISB Treatment System Analytical Data, First Quarter 2005

LTO&M First Quarter 2005 Report, Beale Air Force Base, California – Site 10 EISB Treatment System Monitoring Data

Sample Location	Sample Date	Method	Analyte	CAS No.	QA/QC Type	Result	Flag	Units	Reporting Limit	Method Detection Limit
<b>Site 10 EISB Treatment System – Performance Monitoring Well Results</b>										
10C048MW	3/22/2005	SW8260	1,2,3-Trichloropropane	96-18-4	N	0.08	U	µg/L	1	0.08
		SW8260	1,2,4-Trichlorobenzene	120-82-1	N	0.06	U	µg/L	1	0.06
		SW8260	1,2,4-Trimethylbenzene	95-63-6	N	0.05	U	µg/L	1	0.05
		SW8260	1,2-DCA	107-06-2	N	0.09	U	µg/L	0.5	0.09
		SW8260	1,2-DCB	95-50-1	N	0.06	U	µg/L	1	0.06
		SW8260	1,2-Dibromo-3-chloropropane	96-12-8	N	0.12	U	µg/L	2	0.12
		SW8260	1,2-Dichloropropane	78-87-5	N	0.04	U	µg/L	1	0.04
		SW8260	1,2-EDB	106-93-4	N	0.07	U	µg/L	1	0.07
		SW8260	1,3,5-Trimethylbenzene	108-67-8	N	0.06	U	µg/L	1	0.06
		SW8260	1,3-DCB	541-73-1	N	0.06	U	µg/L	1	0.06
		SW8260	1,3-Dichloropropane	142-28-9	N	0.05	U	µg/L	0.4	0.05
		SW8260	1,4-DCB	106-46-7	N	0.07	U	µg/L	0.5	0.07
		SW8260	1-Chlorohexane	544-10-5	N	0.06	U	µg/L	1	0.06
		SW8260	2,2-Dichloropropane	594-20-7	N	0.09	U	µg/L	1	0.09
		SW8260	2-Chlorotoluene	95-49-8	N	0.06	U	µg/L	1	0.06
		SW8260	4-Chlorotoluene	106-43-4	N	0.06	U	µg/L	1	0.06
		SW8260	Acetone	67-64-1	N	0.5	U	µg/L	10	0.5
		SW8260	Benzene	71-43-2	N	0.06	U	µg/L	0.4	0.06
		SW8260	Bromobenzene	108-86-1	N	0.07	U	µg/L	1	0.07
		SW8260	Bromochloromethane	74-97-5	N	0.09	U	µg/L	1	0.09
		SW8260	Bromodichloromethane	75-27-4	N	0.07	U	µg/L	0.5	0.07
		SW8260	Bromoform	75-25-2	N	0.08	U	µg/L	1	0.08
		SW8260	Bromomethane	74-83-9	N	0.1	U	µg/L	3	0.1
		SW8260	Carbon Tetrachloride	56-23-5	N	0.06	U	µg/L	1	0.06
		SW8260	Chlorobenzene	108-90-7	N	0.07	U	µg/L	0.5	0.07
		SW8260	Chloroethane	75-00-3	N	0.03	U	µg/L	1	0.03
		SW8260	Chloroform	67-66-3	N	0.47		µg/L	0.3	0.09
		SW8260	Chloromethane	74-87-3	N	0.04	U	µg/L	1	0.04
		SW8260	cis-1,2-DCE	156-59-2	N	126		µg/L	50	2.87
		SW8260	cis-1,3-Dichloropropene	10061-01-5	N	0.07	U	µg/L	0.5	0.07
		SW8260	Dibromochloromethane	124-48-1	N	0.03	U	µg/L	0.5	0.03
		SW8260	Dibromomethane	74-95-3	N	0.09	U	µg/L	1	0.09
		SW8260	Dichlorodifluoromethane	75-71-8	N	0.05	U	µg/L	1	0.05

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Summary of Site 10 EISB Treatment System Analytical Data, First Quarter 2005

LTO&M First Quarter 2005 Report, Beale Air Force Base, California – Site 10 EISB Treatment System Monitoring Data

Sample Location	Sample Date	Method	Analyte	CAS No.	QA/QC Type	Result	Flag	Units	Reporting Limit	Method Detection Limit
<b>Site 10 EISB Treatment System – Performance Monitoring Well Results</b>										
10C048MW	3/22/2005	SW8260	Ethylbenzene	100-41-4	N	0.06	U	µg/L	1	0.06
		SW8260	Hexachlorobutadiene	87-68-3	N	0.07	U	µg/L	0.6	0.07
		SW8260	Isopropylbenzene	98-82-8	N	0.05	U	µg/L	1	0.05
		SW8260	m,p-Xylene	108-38-3/1	N	0.1	U	µg/L	2	0.1
		SW8260	MEK (2-Butanone)	78-93-3	N	0.3	U	µg/L	10	0.3
		SW8260	Methyl t-butyl ether (MtBE)	1634-04-4	N	0.06	U	µg/L	5	0.06
		SW8260	Methylene Chloride	75-09-2	N	0.07	U	µg/L	1	0.07
		SW8260	MIBK (methyl isobutyl ketone)	108-10-1	N	0.2	U	µg/L	10	0.2
		SW8260	Naphthalene	91-20-3	N	0.07	U	µg/L	1	0.07
		SW8260	n-Butylbenzene	104-51-8	N	0.06	U	µg/L	1	0.06
		SW8260	n-Propylbenzene	103-65-1	N	0.05	U	µg/L	1	0.05
		SW8260	o-Xylene	95-47-6	N	0.06	U	µg/L	1	0.06
		SW8260	p-Isopropyltoluene	99-87-6	N	0.04	U	µg/L	1	0.04
		SW8260	sec-Butylbenzene	135-98-8	N	0.06	U	µg/L	1	0.06
		SW8260	Styrene	100-42-5	N	0.05	U	µg/L	1	0.05
		SW8260	TCE	79-01-6	N	435		µg/L	50	3.57
		SW8260	Tert-Butylbenzene	98-06-6	N	0.06	U	µg/L	1	0.06
		SW8260	Tetrachloroethylene	127-18-4	N	6.38		µg/L	1	0.08
		SW8260	Toluene	108-88-3	N	0.06	U	µg/L	1	0.06
		SW8260	trans-1,2-DCE	156-60-5	N	0.32	F	µg/L	1	0.07
		SW8260	trans-1,3-Dichloropropene	10061-02-6	N	0.05	U	µg/L	1	0.05
		SW8260	Trichlorofluoromethane	75-69-4	N	0.06	U	µg/L	1	0.06
		SW8260	Vinyl Chloride	75-01-4	N	0.09	U	µg/L	1	0.09
		SW9030	Sulfide	SULFIDE	N	2.2		mg/L	2	0.97
		SW9056	Chloride	CHLORIDE	N	8.39		mg/L	1	0.011
		SW9056	Nitrate-N	NITRATE	N	1.84		mg/L	1	0.0022
		SW9056	Nitrite-N	NITRITE	N	0.0058	U	mg/L	1	0.0058
		SW9056	Phosphate	Phosphate	N	0.096	F	mg/L	1	0.013
		SW9056	Sulfate	SULFATE	N	7.54		mg/L	1	0.008
10C049MW	1/17/2005	E300.0M	Acetic Acid	64-19-7	N	0.021	U	mg/L	0.1	0.021
		E300.0M	Lactic Acid	50-21-5	N	0.0083	U	mg/L	0.1	0.0083
		E300.0M	Propionic Acid	79-09-4	N	0.01	U	mg/L	0.1	0.01
		RSK-175	Ethane	74-84-0	N	0.31	F	µg/L	0.77	0.032

**ATTACHMENT B2**

Summary of Site 10 EISB Treatment System Analytical Data, First Quarter 2005

LTO&M First Quarter 2005 Report, Beale Air Force Base, California – Site 10 EISB Treatment System Monitoring Data

Sample Location	Sample Date	Method	Analyte	CAS No.	QA/QC Type	Result	Flag	Units	Reporting Limit	Method Detection Limit
<b>Site 10 EISB Treatment System – Performance Monitoring Well Results</b>										
10C049MW	1/17/2005	RSK-175	Ethene	74-85-1	N	0.052	F	µg/L	0.78	0.032
		RSK-175	Methane	74-82-8	N	0.57	F	µg/L	0.58	0.018
		SW6010	Iron, dissolved	7439-89-6_D	N	0.006	F	mg/L	0.2	0.005
		SW6010	Manganese, dissolved	7439-96-5_D	N	0.0009	F	mg/L	0.01	0.0003
		SW8260	1,1,1,2-Tetrachloroethane	630-20-6	N	0.09	U	µg/L	0.5	0.09
		SW8260	1,1,1-TCA	71-55-6	N	0.11	U	µg/L	1	0.11
		SW8260	1,1,2,2-Tetrachloroethane	79-34-5	N	0.11	U	µg/L	0.5	0.11
		SW8260	1,1,2-TCA	79-00-5	N	0.38	F	µg/L	1	0.14
		SW8260	1,1-DCA	75-34-3	N	0.13	U	µg/L	1	0.13
		SW8260	1,1-DCE	75-35-4	N	0.13	U	µg/L	1	0.13
		SW8260	1,1-Dichloropropene	563-58-6	N	0.07	U	µg/L	1	0.07
		SW8260	1,2,3-Trichlorobenzene	87-61-6	N	0.07	U	µg/L	1	0.07
		SW8260	1,2,3-Trichloropropane	96-18-4	N	0.11	U	µg/L	1	0.11
		SW8260	1,2,4-Trichlorobenzene	120-82-1	N	0.08	U	µg/L	1	0.08
		SW8260	1,2,4-Trimethylbenzene	95-63-6	N	0.07	U	µg/L	1	0.07
		SW8260	1,2-DCA	107-06-2	N	0.1	U	µg/L	0.5	0.1
		SW8260	1,2-DCB	95-50-1	N	0.11	U	µg/L	1	0.11
		SW8260	1,2-Dibromo-3-chloropropane	96-12-8	N	0.12	U	µg/L	2	0.12
		SW8260	1,2-Dichloropropane	78-87-5	N	0.12	U	µg/L	1	0.12
		SW8260	1,2-EDB	106-93-4	N	0.09	U	µg/L	1	0.09
		SW8260	1,3,5-Trimethylbenzene	108-67-8	N	0.08	U	µg/L	1	0.08
		SW8260	1,3-DCB	541-73-1	N	0.1	U	µg/L	1	0.1
		SW8260	1,3-Dichloropropane	142-28-9	N	0.09	U	µg/L	0.4	0.09
		SW8260	1,4-DCB	106-46-7	N	0.13	U	µg/L	0.5	0.13
		SW8260	1-Chlorohexane	544-10-5	N	0.06	U	µg/L	1	0.06
		SW8260	2,2-Dichloropropane	594-20-7	N	0.12	U	µg/L	1	0.12
		SW8260	2-Chlorotoluene	95-49-8	N	0.08	U	µg/L	1	0.08
		SW8260	4-Chlorotoluene	106-43-4	N	0.07	U	µg/L	1	0.07
		SW8260	Acetone	67-64-1	N	0.6	U	µg/L	10	0.6
		SW8260	Benzene	71-43-2	N	0.09	F	µg/L	0.4	0.07
		SW8260	Bromobenzene	108-86-1	N	0.11	U	µg/L	1	0.11
		SW8260	Bromodichloromethane	75-27-4	N	0.12	U	µg/L	0.5	0.12
		SW8260	Bromoform	75-25-2	N	0.08	U	µg/L	1	0.08

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Summary of Site 10 EISB Treatment System Analytical Data, First Quarter 2005

LTO&M First Quarter 2005 Report, Beale Air Force Base, California – Site 10 EISB Treatment System Monitoring Data

Sample Location	Sample Date	Method	Analyte	CAS No.	QA/QC Type	Result	Flag	Units	Reporting Limit	Method Detection Limit
<b>Site 10 EISB Treatment System – Performance Monitoring Well Results</b>										
10C049MW	1/17/2005	SW8260	Bromomethane	74-83-9	N	0.23	U	µg/L	3	0.23
		SW8260	Carbon Tetrachloride	56-23-5	N	0.08	U	µg/L	1	0.08
		SW8260	Chlorobenzene	108-90-7	N	0.12	U	µg/L	0.5	0.12
		SW8260	Chloroethane	75-00-3	N	0.2	U	µg/L	1	0.2
		SW8260	Chloroform	67-66-3	N	0.86		µg/L	0.3	0.13
		SW8260	Chloromethane	74-87-3	N	0.15	U	µg/L	1	0.15
		SW8260	cis-1,2-DCE	156-59-2	N	146		µg/L	50	4.76
		SW8260	cis-1,3-Dichloropropene	10061-01-5	N	0.1	U	µg/L	0.5	0.1
		SW8260	Dibromochloromethane	124-48-1	N	0.09	U	µg/L	0.5	0.09
		SW8260	Dibromomethane	74-95-3	N	0.11	U	µg/L	1	0.11
		SW8260	Dichlorodifluoromethane	75-71-8	N	0.13	U	µg/L	1	0.13
		SW8260	Ethylbenzene	100-41-4	N	0.08	U	µg/L	1	0.08
		SW8260	Hexachlorobutadiene	87-68-3	N	0.09	U	µg/L	0.6	0.09
		SW8260	Isopropylbenzene	98-82-8	N	0.08	U	µg/L	1	0.08
		SW8260	m,p-Xylene	108-38-3/1	N	0.14	U	µg/L	2	0.14
		SW8260	MEK (2-Butanone)	78-93-3	N	0.2	U	µg/L	10	0.2
		SW8260	Methyl t-butyl ether (MtBE)	1634-04-4	N	0.15	U	µg/L	5	0.15
		SW8260	Methylene Chloride	75-09-2	N	0.2	U	µg/L	1	0.2
		SW8260	MIBK (methyl isobutyl ketone)	108-10-1	N	0.1	U	µg/L	10	0.1
		SW8260	Naphthalene	91-20-3	N	0.05	U	µg/L	1	0.05
		SW8260	n-Butylbenzene	104-51-8	N	0.09	U	µg/L	1	0.09
		SW8260	n-Propylbenzene	103-65-1	N	0.08	U	µg/L	1	0.08
		SW8260	o-Xylene	95-47-6	N	0.09	U	µg/L	1	0.09
		SW8260	p-Isopropyltoluene	99-87-6	N	0.09	U	µg/L	1	0.09
		SW8260	sec-Butylbenzene	135-98-8	N	0.07	U	µg/L	1	0.07
		SW8260	Styrene	100-42-5	N	0.08	U	µg/L	1	0.08
		SW8260	TCE	79-01-6	N	716		µg/L	50	4.93
		SW8260	Tert-Butylbenzene	98-06-6	N	0.07	U	µg/L	1	0.07
		SW8260	Tetrachloroethylene	127-18-4	N	19.9		µg/L	1	0.07
		SW8260	Toluene	108-88-3	N	0.08	U	µg/L	1	0.08
		SW8260	trans-1,2-DCE	156-60-5	N	0.19	F	µg/L	1	0.09
		SW8260	trans-1,3-Dichloropropene	10061-02-6	N	0.07	U	µg/L	1	0.07
		SW8260	Trichlorofluoromethane	75-69-4	N	0.17	U	µg/L	1	0.17

**ATTACHMENT B2**

Summary of Site 10 EISB Treatment System Analytical Data, First Quarter 2005

*LTO&M First Quarter 2005 Report, Beale Air Force Base, California – Site 10 EISB Treatment System Monitoring Data*

Sample Location	Sample Date	Method	Analyte	CAS No.	QA/QC Type	Result	Flag	Units	Reporting Limit	Method Detection Limit
<b>Site 10 EISB Treatment System – Performance Monitoring Well Results</b>										
10C049MW	1/17/2005	SW8260	Vinyl Chloride	75-01-4	N	0.21	U	µg/L	1	0.21
		SW9056	Chloride	CHLORIDE	N	27.7		mg/L	5	0.055
		SW9056	Nitrate-N	NITRATE	N	1.19		mg/L	1	0.0022
		SW9056	Phosphate	Phosphate	N	0.051	F	mg/L	1	0.013
		SW9056	Sulfate	SULFATE	N	12.4		mg/L	1	0.008
	3/21/2005	E300.0M	Acetic Acid	64-19-7	N	0.0077	U	mg/L	0.1	0.0077
		E300.0M	Lactic Acid	50-21-5	N	0.011	U	mg/L	0.1	0.011
		E300.0M	Propionic Acid	79-09-4	N	0.0091	U	mg/L	0.1	0.0091
		RSK-175	Ethane	74-84-0	N	0.085	F	µg/L	0.87	0.036
		RSK-175	Ethene	74-85-1	N	0.036	U	µg/L	0.88	0.036
		RSK-175	Methane	74-82-8	N	0.28	F	µg/L	0.66	0.021
		SW6010	Iron, dissolved	7439-89-6_D	N	0.009	F	mg/L	0.2	0.004
		SW6010	Manganese, dissolved	7439-96-5_D	N	0.0006	U	mg/L	0.01	0.0006
		SW8260	1,1,1,2-Tetrachloroethane	630-20-6	N	0.13	U	µg/L	1.1	0.13
		SW8260	1,1,1-TCA	71-55-6	N	0.17	U	µg/L	2.2	0.17
		SW8260	1,1,2,2-Tetrachloroethane	79-34-5	N	0.12	U	µg/L	1.1	0.12
		SW8260	1,1,2-TCA	79-00-5	N	0.41	F	µg/L	2.2	0.16
		SW8260	1,1-DCA	75-34-3	N	0.13	U	µg/L	2.2	0.13
		SW8260	1,1-DCE	75-35-4	N	0.16	U	µg/L	2.2	0.16
		SW8260	1,1-Dichloropropene	563-58-6	N	0.12	U	µg/L	2.2	0.12
		SW8260	1,2,3-Trichlorobenzene	87-61-6	N	0.2	U	µg/L	2.2	0.2
		SW8260	1,2,3-Trichloropropane	96-18-4	N	0.17	U	µg/L	2.2	0.17
		SW8260	1,2,4-Trichlorobenzene	120-82-1	N	0.14	U	µg/L	2.2	0.14
		SW8260	1,2,4-Trimethylbenzene	95-63-6	N	0.1	U	µg/L	2.2	0.1
		SW8260	1,2-DCA	107-06-2	N	0.19	U	µg/L	1.1	0.19
		SW8260	1,2-DCB	95-50-1	N	0.13	U	µg/L	2.2	0.13
		SW8260	1,2-Dibromo-3-chloropropane	96-12-8	N	0.26	U	µg/L	4.4	0.26
		SW8260	1,2-Dichloropropane	78-87-5	N	0.09	U	µg/L	2.2	0.09
		SW8260	1,2-EDB	106-93-4	N	0.16	U	µg/L	2.2	0.16
		SW8260	1,3,5-Trimethylbenzene	108-67-8	N	0.13	U	µg/L	2.2	0.13
		SW8260	1,3-DCB	541-73-1	N	0.14	U	µg/L	2.2	0.14
		SW8260	1,3-Dichloropropane	142-28-9	N	0.11	U	µg/L	0.9	0.11
		SW8260	1,4-DCB	106-46-7	N	0.15	U	µg/L	1.1	0.15

**ATTACHMENT B2**

## Summary of Site 10 EISB Treatment System Analytical Data, First Quarter 2005

## LTO&amp;M First Quarter 2005 Report, Beale Air Force Base, California – Site 10 EISB Treatment System Monitoring Data

Sample Location	Sample Date	Method	Analyte	CAS No.	QA/QC Type	Result	Flag	Units	Reporting Limit	Method Detection Limit
<b>Site 10 EISB Treatment System – Performance Monitoring Well Results</b>										
10C049MW	3/21/2005	SW8260	1-Chlorohexane	544-10-5	N	0.13	U	µg/L	2.2	0.13
		SW8260	2,2-Dichloropropane	594-20-7	N	0.2	U	µg/L	2.2	0.2
		SW8260	2-Chlorotoluene	95-49-8	N	0.12	U	µg/L	2.2	0.12
		SW8260	4-Chlorotoluene	106-43-4	N	0.13	U	µg/L	2.2	0.13
		SW8260	Acetone	67-64-1	N	1	U	µg/L	22	1
		SW8260	Benzene	71-43-2	N	0.14	U	µg/L	0.9	0.14
		SW8260	Bromobenzene	108-86-1	N	0.16	U	µg/L	2.2	0.16
		SW8260	Bromochloromethane	74-97-5	N	0.2	U	µg/L	2.2	0.2
		SW8260	Bromodichloromethane	75-27-4	N	0.16	U	µg/L	1.1	0.16
		SW8260	Bromoform	75-25-2	N	0.18	U	µg/L	2.2	0.18
		SW8260	Bromomethane	74-83-9	N	0.23	U	µg/L	6.6	0.23
		SW8260	Carbon Tetrachloride	56-23-5	N	0.12	U	µg/L	2.2	0.12
		SW8260	Chlorobenzene	108-90-7	N	0.15	U	µg/L	1.1	0.15
		SW8260	Chloroethane	75-00-3	N	0.07	U	µg/L	2.2	0.07
		SW8260	Chloroform	67-66-3	N	0.74		µg/L	0.7	0.19
		SW8260	Chloromethane	74-87-3	N	0.09	U	µg/L	2.2	0.09
		SW8260	cis-1,2-DCE	156-59-2	N	155		µg/L	2.2	0.13
		SW8260	cis-1,3-Dichloropropene	10061-01-5	N	0.15	U	µg/L	1.1	0.15
		SW8260	Dibromochloromethane	124-48-1	N	0.07	U	µg/L	1.1	0.07
		SW8260	Dibromomethane	74-95-3	N	0.19	U	µg/L	2.2	0.19
		SW8260	Dichlorodifluoromethane	75-71-8	N	0.12	U	µg/L	2.2	0.12
		SW8260	Ethylbenzene	100-41-4	N	0.12	U	µg/L	2.2	0.12
		SW8260	Hexachlorobutadiene	87-68-3	N	0.16	U	µg/L	1.3	0.16
		SW8260	Isopropylbenzene	98-82-8	N	0.11	U	µg/L	2.2	0.11
		SW8260	m,p-Xylene	108-38-3/1	N	0.22	U	µg/L	4.4	0.22
		SW8260	MEK (2-Butanone)	78-93-3	N	0.6	U	µg/L	22	0.6
		SW8260	Methyl t-butyl ether (MtBE)	1634-04-4	N	0.13	U	µg/L	11	0.13
		SW8260	Methylene Chloride	75-09-2	N	0.15	U	µg/L	2.2	0.15
		SW8260	MIBK (methyl isobutyl ketone)	108-10-1	N	0.4	U	µg/L	22	0.4
		SW8260	Naphthalene	91-20-3	N	0.14	U	µg/L	2.2	0.14
		SW8260	n-Butylbenzene	104-51-8	N	0.13	U	µg/L	2.2	0.13
		SW8260	n-Propylbenzene	103-65-1	N	0.11	U	µg/L	2.2	0.11
		SW8260	o-Xylene	95-47-6	N	0.13	U	µg/L	2.2	0.13

**ATTACHMENT B2**

Summary of Site 10 EISB Treatment System Analytical Data, First Quarter 2005

LTO&M First Quarter 2005 Report, Beale Air Force Base, California – Site 10 EISB Treatment System Monitoring Data

Sample Location	Sample Date	Method	Analyte	CAS No.	QA/QC Type	Result	Flag	Units	Reporting Limit	Method Detection Limit
<b>Site 10 EISB Treatment System – Performance Monitoring Well Results</b>										
10C049MW	3/21/2005	SW8260	p-Isopropyltoluene	99-87-6	N	0.09	U	µg/L	2.2	0.09
		SW8260	sec-Butylbenzene	135-98-8	N	0.12	U	µg/L	2.2	0.12
		SW8260	Styrene	100-42-5	N	0.11	U	µg/L	2.2	0.11
		SW8260	TCE	79-01-6	N	603		µg/L	50	3.57
		SW8260	Tert-Butylbenzene	98-06-6	N	0.12	U	µg/L	2.2	0.12
		SW8260	Tetrachloroethylene	127-18-4	N	16		µg/L	2.2	0.17
		SW8260	Toluene	108-88-3	N	0.12	U	µg/L	2.2	0.12
		SW8260	trans-1,2-DCE	156-60-5	N	1.46	F	µg/L	2.2	0.16
		SW8260	trans-1,3-Dichloropropene	10061-02-6	N	0.12	U	µg/L	2.2	0.12
		SW8260	Trichlorofluoromethane	75-69-4	N	0.14	U	µg/L	2.2	0.14
		SW8260	Vinyl Chloride	75-01-4	N	0.21	U	µg/L	2.2	0.21
		SW9030	Sulfide	SULFIDE	N	2.2		mg/L	2	0.97
		SW9056	Chloride	CHLORIDE	N	30		mg/L	5	0.055
		SW9056	Nitrate-N	NITRATE	N	1.29		mg/L	1	0.0022
		SW9056	Nitrite-N	NITRITE	N	0.0058	U	mg/L	1	0.0058
		SW9056	Phosphate	Phosphate	N	0.07	F	mg/L	1	0.013
		SW9056	Sulfate	SULFATE	N	11.1		mg/L	1	0.008
10C054RW	1/17/2005	E300.0M	Acetic Acid	64-19-7	N	0.021	U	mg/L	0.1	0.021
		E300.0M	Lactic Acid	50-21-5	N	0.0083	U	mg/L	0.1	0.0083
		E300.0M	Propionic Acid	79-09-4	N	0.01	U	mg/L	0.1	0.01
		RSK-175	Ethane	74-84-0	N	0.033	U	µg/L	0.79	0.033
		RSK-175	Ethene	74-85-1	N	0.044	F	µg/L	0.8	0.033
		RSK-175	Methane	74-82-8	N	0.27	F	µg/L	0.6	0.019
		SW6010	Iron, dissolved	7439-89-6_D	N	0.009	F	mg/L	0.2	0.005
		SW6010	Manganese, dissolved	7439-96-5_D	N	0.0022	F	mg/L	0.01	0.0003
		SW8260	1,1,1,2-Tetrachloroethane	630-20-6	N	0.09	U	µg/L	0.5	0.09
		SW8260	1,1,1-TCA	71-55-6	N	0.11	U	µg/L	1	0.11
		SW8260	1,1,2,2-Tetrachloroethane	79-34-5	N	0.11	U	µg/L	0.5	0.11
		SW8260	1,1,2-TCA	79-00-5	N	0.14	U	µg/L	1	0.14
		SW8260	1,1-DCA	75-34-3	N	0.13	U	µg/L	1	0.13
		SW8260	1,1-DCE	75-35-4	N	0.13	U	µg/L	1	0.13
		SW8260	1,1-Dichloropropene	563-58-6	N	0.07	U	µg/L	1	0.07
		SW8260	1,2,3-Trichlorobenzene	87-61-6	N	0.07	U	µg/L	1	0.07

**ATTACHMENT B2**

Summary of Site 10 EISB Treatment System Analytical Data, First Quarter 2005

LTO&M First Quarter 2005 Report, Beale Air Force Base, California – Site 10 EISB Treatment System Monitoring Data

Sample Location	Sample Date	Method	Analyte	CAS No.	QA/QC Type	Result	Flag	Units	Reporting Limit	Method Detection Limit
<b>Site 10 EISB Treatment System – Performance Monitoring Well Results</b>										
10C054RW	1/17/2005	SW8260	1,2,3-Trichloropropane	96-18-4	N	0.11	U	µg/L	1	0.11
		SW8260	1,2,4-Trichlorobenzene	120-82-1	N	0.08	U	µg/L	1	0.08
		SW8260	1,2,4-Trimethylbenzene	95-63-6	N	0.07	U	µg/L	1	0.07
		SW8260	1,2-DCA	107-06-2	N	0.1	U	µg/L	0.5	0.1
		SW8260	1,2-DCB	95-50-1	N	0.11	U	µg/L	1	0.11
		SW8260	1,2-Dibromo-3-chloropropane	96-12-8	N	0.12	U	µg/L	2	0.12
		SW8260	1,2-Dichloropropane	78-87-5	N	0.12	U	µg/L	1	0.12
		SW8260	1,2-EDB	106-93-4	N	0.09	U	µg/L	1	0.09
		SW8260	1,3,5-Trimethylbenzene	108-67-8	N	0.08	U	µg/L	1	0.08
		SW8260	1,3-DCB	541-73-1	N	0.1	U	µg/L	1	0.1
		SW8260	1,3-Dichloropropane	142-28-9	N	0.09	U	µg/L	0.4	0.09
		SW8260	1,4-DCB	106-46-7	N	0.13	U	µg/L	0.5	0.13
		SW8260	1-Chlorohexane	544-10-5	N	0.06	U	µg/L	1	0.06
		SW8260	2,2-Dichloropropane	594-20-7	N	0.12	U	µg/L	1	0.12
		SW8260	2-Chlorotoluene	95-49-8	N	0.08	U	µg/L	1	0.08
		SW8260	4-Chlorotoluene	106-43-4	N	0.07	U	µg/L	1	0.07
		SW8260	Acetone	67-64-1	N	1.6	F	µg/L	10	0.6
		SW8260	Benzene	71-43-2	N	0.07	U	µg/L	0.4	0.07
		SW8260	Bromobenzene	108-86-1	N	0.11	U	µg/L	1	0.11
		SW8260	Bromochloromethane	74-97-5	N	0.13	U	µg/L	1	0.13
		SW8260	Bromodichloromethane	75-27-4	N	0.12	U	µg/L	0.5	0.12
		SW8260	Bromoform	75-25-2	N	0.08	U	µg/L	1	0.08
		SW8260	Bromomethane	74-83-9	N	0.23	U	µg/L	3	0.23
		SW8260	Carbon Tetrachloride	56-23-5	N	0.08	U	µg/L	1	0.08
		SW8260	Chlorobenzene	108-90-7	N	0.12	U	µg/L	0.5	0.12
		SW8260	Chloroethane	75-00-3	N	0.2	U	µg/L	1	0.2
		SW8260	Chloroform	67-66-3	N	0.75		µg/L	0.3	0.13
		SW8260	Chloromethane	74-87-3	N	0.15	U	µg/L	1	0.15
		SW8260	cis-1,2-DCE	156-59-2	N	5.93		µg/L	1	0.1
		SW8260	cis-1,3-Dichloropropene	10061-01-5	N	0.1	U	µg/L	0.5	0.1
		SW8260	Dibromochloromethane	124-48-1	N	0.09	U	µg/L	0.5	0.09
		SW8260	Dibromomethane	74-95-3	N	0.11	U	µg/L	1	0.11
		SW8260	Dichlorodifluoromethane	75-71-8	N	0.13	U	µg/L	1	0.13

**ATTACHMENT B2**

Summary of Site 10 EISB Treatment System Analytical Data, First Quarter 2005

LTO&M First Quarter 2005 Report, Beale Air Force Base, California – Site 10 EISB Treatment System Monitoring Data

Sample Location	Sample Date	Method	Analyte	CAS No.	QA/QC Type	Result	Flag	Units	Reporting Limit	Method Detection Limit
<b>Site 10 EISB Treatment System – Performance Monitoring Well Results</b>										
10C054RW	1/17/2005	SW8260	Ethylbenzene	100-41-4	N	0.08	U	µg/L	1	0.08
		SW8260	Hexachlorobutadiene	87-68-3	N	0.09	U	µg/L	0.6	0.09
		SW8260	Isopropylbenzene	98-82-8	N	0.08	U	µg/L	1	0.08
		SW8260	m,p-Xylene	108-38-3/1	N	0.14	U	µg/L	2	0.14
		SW8260	MEK (2-Butanone)	78-93-3	N	0.2	U	µg/L	10	0.2
		SW8260	Methyl t-butyl ether (MtBE)	1634-04-4	N	0.15	U	µg/L	5	0.15
		SW8260	Methylene Chloride	75-09-2	N	0.2	U	µg/L	1	0.2
		SW8260	MIBK (methyl isobutyl ketone)	108-10-1	N	0.1	U	µg/L	10	0.1
		SW8260	Naphthalene	91-20-3	N	0.05	U	µg/L	1	0.05
		SW8260	n-Butylbenzene	104-51-8	N	0.09	U	µg/L	1	0.09
		SW8260	n-Propylbenzene	103-65-1	N	0.08	U	µg/L	1	0.08
		SW8260	o-Xylene	95-47-6	N	0.09	U	µg/L	1	0.09
		SW8260	p-Isopropyltoluene	99-87-6	N	0.09	U	µg/L	1	0.09
		SW8260	sec-Butylbenzene	135-98-8	N	0.07	U	µg/L	1	0.07
		SW8260	Styrene	100-42-5	N	0.08	U	µg/L	1	0.08
		SW8260	TCE	79-01-6	N	696		µg/L	50	4.93
		SW8260	Tert-Butylbenzene	98-06-6	N	0.07	U	µg/L	1	0.07
		SW8260	Tetrachloroethylene	127-18-4	N	93.9		µg/L	1	0.07
		SW8260	Toluene	108-88-3	N	0.08	U	µg/L	1	0.08
		SW8260	trans-1,2-DCE	156-60-5	N	0.09	U	µg/L	1	0.09
		SW8260	trans-1,3-Dichloropropene	10061-02-6	N	0.07	U	µg/L	1	0.07
		SW8260	Trichlorofluoromethane	75-69-4	N	0.17	U	µg/L	1	0.17
		SW8260	Vinyl Chloride	75-01-4	N	0.21	U	µg/L	1	0.21
		SW9056	Chloride	CHLORIDE	N	9.3		mg/L	1	0.011
		SW9056	Nitrate-N	NITRATE	N	1.82		mg/L	1	0.0022
		SW9056	Phosphate	Phosphate	N	0.013	U	mg/L	1	0.013
		SW9056	Sulfate	SULFATE	N	3.81		mg/L	1	0.008
	3/22/2005	E300.0M	Acetic Acid	64-19-7	N	0.0077	U	mg/L	0.1	0.0077
		E300.0M	Lactic Acid	50-21-5	N	0.011	U	mg/L	0.1	0.011
		E300.0M	Propionic Acid	79-09-4	N	0.0091	U	mg/L	0.1	0.0091
		RSK-175	Ethane	74-84-0	N	0.036	U	µg/L	0.88	0.036
		RSK-175	Ethene	74-85-1	N	0.039	F	µg/L	0.88	0.036
		RSK-175	Methane	74-82-8	N	0.19	F	µg/L	0.66	0.021

**ATTACHMENT B2**

Summary of Site 10 EISB Treatment System Analytical Data, First Quarter 2005

LTO&M First Quarter 2005 Report, Beale Air Force Base, California – Site 10 EISB Treatment System Monitoring Data

Sample Location	Sample Date	Method	Analyte	CAS No.	QA/QC Type	Result	Flag	Units	Reporting Limit	Method Detection Limit
<b>Site 10 EISB Treatment System – Performance Monitoring Well Results</b>										
10C054RW	3/22/2005	SW6010	Iron, dissolved	7439-89-6_D	N	0.007	F	mg/L	0.2	0.005
		SW6010	Manganese, dissolved	7439-96-5_D	N	0.001	F	mg/L	0.01	0.0003
		SW8260	1,1,1,2-Tetrachloroethane	630-20-6	N	0.13	U	µg/L	1.1	0.13
		SW8260	1,1,1-TCA	71-55-6	N	0.17	U	µg/L	2.2	0.17
		SW8260	1,1,2,2-Tetrachloroethane	79-34-5	N	0.12	U	µg/L	1.1	0.12
		SW8260	1,1,2-TCA	79-00-5	N	0.16	U	µg/L	2.2	0.16
		SW8260	1,1-DCA	75-34-3	N	0.13	U	µg/L	2.2	0.13
		SW8260	1,1-DCE	75-35-4	N	0.16	U	µg/L	2.2	0.16
		SW8260	1,1-Dichloropropene	563-58-6	N	0.12	U	µg/L	2.2	0.12
		SW8260	1,2,3-Trichlorobenzene	87-61-6	N	0.2	U	µg/L	2.2	0.2
		SW8260	1,2,3-Trichloropropane	96-18-4	N	0.17	U	µg/L	2.2	0.17
		SW8260	1,2,4-Trichlorobenzene	120-82-1	N	0.14	U	µg/L	2.2	0.14
		SW8260	1,2,4-Trimethylbenzene	95-63-6	N	0.1	U	µg/L	2.2	0.1
		SW8260	1,2-DCA	107-06-2	N	0.19	U	µg/L	1.1	0.19
		SW8260	1,2-DCB	95-50-1	N	0.13	U	µg/L	2.2	0.13
		SW8260	1,2-Dibromo-3-chloropropane	96-12-8	N	0.26	U	µg/L	4.4	0.26
		SW8260	1,2-Dichloropropane	78-87-5	N	0.09	U	µg/L	2.2	0.09
		SW8260	1,2-EDB	106-93-4	N	0.16	U	µg/L	2.2	0.16
		SW8260	1,3,5-Trimethylbenzene	108-67-8	N	0.13	U	µg/L	2.2	0.13
		SW8260	1,3-DCB	541-73-1	N	0.14	U	µg/L	2.2	0.14
		SW8260	1,3-Dichloropropane	142-28-9	N	0.11	U	µg/L	0.9	0.11
		SW8260	1,4-DCB	106-46-7	N	0.15	U	µg/L	1.1	0.15
		SW8260	1-Chlorohexane	544-10-5	N	0.13	U	µg/L	2.2	0.13
		SW8260	2,2-Dichloropropane	594-20-7	N	0.2	U	µg/L	2.2	0.2
		SW8260	2-Chlorotoluene	95-49-8	N	0.12	U	µg/L	2.2	0.12
		SW8260	4-Chlorotoluene	106-43-4	N	0.13	U	µg/L	2.2	0.13
		SW8260	Acetone	67-64-1	N	1	U	µg/L	22	1
		SW8260	Benzene	71-43-2	N	0.14	U	µg/L	0.9	0.14
		SW8260	Bromobenzene	108-86-1	N	0.16	U	µg/L	2.2	0.16
		SW8260	Bromochloromethane	74-97-5	N	0.2	U	µg/L	2.2	0.2
		SW8260	Bromodichloromethane	75-27-4	N	0.16	U	µg/L	1.1	0.16
		SW8260	Bromoform	75-25-2	N	0.18	U	µg/L	2.2	0.18
		SW8260	Bromomethane	74-83-9	N	0.23	U	µg/L	6.6	0.23

**ATTACHMENT B2**

Summary of Site 10 EISB Treatment System Analytical Data, First Quarter 2005

LTO&M First Quarter 2005 Report, Beale Air Force Base, California – Site 10 EISB Treatment System Monitoring Data

Sample Location	Sample Date	Method	Analyte	CAS No.	QA/QC Type	Result	Flag	Units	Reporting Limit	Method Detection Limit
<b>Site 10 EISB Treatment System – Performance Monitoring Well Results</b>										
10C054RW	3/22/2005	SW8260	Carbon Tetrachloride	56-23-5	N	0.12	U	µg/L	2.2	0.12
		SW8260	Chlorobenzene	108-90-7	N	0.15	U	µg/L	1.1	0.15
		SW8260	Chloroethane	75-00-3	N	0.07	U	µg/L	2.2	0.07
		SW8260	Chloroform	67-66-3	N	0.72		µg/L	0.7	0.19
		SW8260	Chloromethane	74-87-3	N	0.09	U	µg/L	2.2	0.09
		SW8260	cis-1,2-DCE	156-59-2	N	6.06		µg/L	2.2	0.13
		SW8260	cis-1,3-Dichloropropene	10061-01-5	N	0.15	U	µg/L	1.1	0.15
		SW8260	Dibromochloromethane	124-48-1	N	0.07	U	µg/L	1.1	0.07
		SW8260	Dibromomethane	74-95-3	N	0.19	U	µg/L	2.2	0.19
		SW8260	Dichlorodifluoromethane	75-71-8	N	0.12	U	µg/L	2.2	0.12
		SW8260	Ethylbenzene	100-41-4	N	0.12	U	µg/L	2.2	0.12
		SW8260	Hexachlorobutadiene	87-68-3	N	0.16	U	µg/L	1.3	0.16
		SW8260	Isopropylbenzene	98-82-8	N	0.11	U	µg/L	2.2	0.11
		SW8260	m,p-Xylene	108-38-3/1	N	0.22	U	µg/L	4.4	0.22
		SW8260	MEK (2-Butanone)	78-93-3	N	0.6	U	µg/L	22	0.6
		SW8260	Methyl t-butyl ether (MtBE)	1634-04-4	N	0.13	U	µg/L	11	0.13
		SW8260	Methylene Chloride	75-09-2	N	0.15	U	µg/L	2.2	0.15
		SW8260	MIBK (methyl isobutyl ketone)	108-10-1	N	0.4	U	µg/L	22	0.4
		SW8260	Naphthalene	91-20-3	N	0.14	U	µg/L	2.2	0.14
		SW8260	n-Butylbenzene	104-51-8	N	0.13	U	µg/L	2.2	0.13
		SW8260	n-Propylbenzene	103-65-1	N	0.11	U	µg/L	2.2	0.11
		SW8260	o-Xylene	95-47-6	N	0.13	U	µg/L	2.2	0.13
		SW8260	p-Isopropyltoluene	99-87-6	N	0.09	U	µg/L	2.2	0.09
		SW8260	sec-Butylbenzene	135-98-8	N	0.12	U	µg/L	2.2	0.12
		SW8260	Styrene	100-42-5	N	0.11	U	µg/L	2.2	0.11
		SW8260	TCE	79-01-6	N	611		µg/L	50	3.57
		SW8260	Tert-Butylbenzene	98-06-6	N	0.12	U	µg/L	2.2	0.12
		SW8260	Tetrachloroethylene	127-18-4	N	92		µg/L	2.2	0.17
		SW8260	Toluene	108-88-3	N	0.12	U	µg/L	2.2	0.12
		SW8260	trans-1,2-DCE	156-60-5	N	0.16	U	µg/L	2.2	0.16
		SW8260	trans-1,3-Dichloropropene	10061-02-6	N	0.12	U	µg/L	2.2	0.12
		SW8260	Trichlorofluoromethane	75-69-4	N	0.14	U	µg/L	2.2	0.14
		SW8260	Vinyl Chloride	75-01-4	N	0.21	U	µg/L	2.2	0.21

**ATTACHMENT B2**

Summary of Site 10 EISB Treatment System Analytical Data, First Quarter 2005

LTO&M First Quarter 2005 Report, Beale Air Force Base, California – Site 10 EISB Treatment System Monitoring Data

Sample Location	Sample Date	Method	Analyte	CAS No.	QA/QC Type	Result	Flag	Units	Reporting Limit	Method Detection Limit
<b>Site 10 EISB Treatment System – Performance Monitoring Well Results</b>										
10C054RW	3/22/2005	SW9030	Sulfide	SULFIDE	N	5		mg/L	2	0.97
		SW9056	Chloride	CHLORIDE	N	9.55		mg/L	1	0.011
		SW9056	Nitrate-N	NITRATE	N	1.81		mg/L	1	0.0022
		SW9056	Nitrite-N	NITRITE	N	0.0058	U	mg/L	1	0.0058
		SW9056	Phosphate	Phosphate	N	0.15	F	mg/L	1	0.013
		SW9056	Sulfate	SULFATE	N	3.72		mg/L	1	0.008
10C055RW	1/17/2005	E300.0M	Acetic Acid	64-19-7	N	0.021	U	mg/L	0.1	0.021
		E300.0M	Lactic Acid	50-21-5	N	0.0083	U	mg/L	0.1	0.0083
		E300.0M	Propionic Acid	79-09-4	N	0.01	U	mg/L	0.1	0.01
		SW6010	Iron, dissolved	7439-89-6_D	N	0.005	U	mg/L	0.2	0.005
		SW6010	Manganese, dissolved	7439-96-5_D	N	0.0273		mg/L	0.01	0.0003
		SW8260	1,1,1,2-Tetrachloroethane	630-20-6	N	0.58		µg/L	0.5	0.09
		SW8260	1,1,1-TCA	71-55-6	N	0.11	U	µg/L	1	0.11
		SW8260	1,1,2,2-Tetrachloroethane	79-34-5	N	0.11	U	µg/L	0.5	0.11
		SW8260	1,1,2-TCA	79-00-5	N	1.29		µg/L	1	0.14
		SW8260	1,1-DCA	75-34-3	N	0.13	U	µg/L	1	0.13
		SW8260	1,1-DCE	75-35-4	N	0.17	F	µg/L	1	0.13
		SW8260	1,1-Dichloropropene	563-58-6	N	0.07	U	µg/L	1	0.07
		SW8260	1,2,3-Trichlorobenzene	87-61-6	N	0.07	U	µg/L	1	0.07
		SW8260	1,2,3-Trichloropropane	96-18-4	N	0.11	U	µg/L	1	0.11
		SW8260	1,2,4-Trichlorobenzene	120-82-1	N	0.08	U	µg/L	1	0.08
		SW8260	1,2,4-Trimethylbenzene	95-63-6	N	0.07	U	µg/L	1	0.07
		SW8260	1,2-DCA	107-06-2	N	0.1	U	µg/L	0.5	0.1
		SW8260	1,2-DCB	95-50-1	N	0.11	U	µg/L	1	0.11
		SW8260	1,2-Dibromo-3-chloropropane	96-12-8	N	0.12	U	µg/L	2	0.12
		SW8260	1,2-Dichloropropane	78-87-5	N	0.12	U	µg/L	1	0.12
		SW8260	1,2-EDB	106-93-4	N	0.09	U	µg/L	1	0.09
		SW8260	1,3,5-Trimethylbenzene	108-67-8	N	0.08	U	µg/L	1	0.08
		SW8260	1,3-DCB	541-73-1	N	0.1	U	µg/L	1	0.1
		SW8260	1,3-Dichloropropane	142-28-9	N	0.09	U	µg/L	0.4	0.09
		SW8260	1,4-DCB	106-46-7	N	0.13	U	µg/L	0.5	0.13
		SW8260	1-Chlorohexane	544-10-5	N	0.06	U	µg/L	1	0.06
		SW8260	2,2-Dichloropropane	594-20-7	N	0.12	U	µg/L	1	0.12

**ATTACHMENT B2**

Summary of Site 10 EISB Treatment System Analytical Data, First Quarter 2005

LTO&M First Quarter 2005 Report, Beale Air Force Base, California – Site 10 EISB Treatment System Monitoring Data

Sample Location	Sample Date	Method	Analyte	CAS No.	QA/QC Type	Result	Flag	Units	Reporting Limit	Method Detection Limit
<b>Site 10 EISB Treatment System – Performance Monitoring Well Results</b>										
10C055RW	1/17/2005	SW8260	2-Chlorotoluene	95-49-8	N	0.08	U	µg/L	1	0.08
		SW8260	4-Chlorotoluene	106-43-4	N	0.07	U	µg/L	1	0.07
		SW8260	Acetone	67-64-1	N	1.4	F	µg/L	10	0.6
		SW8260	Benzene	71-43-2	N	0.07	U	µg/L	0.4	0.07
		SW8260	Bromobenzene	108-86-1	N	0.11	U	µg/L	1	0.11
		SW8260	Bromochloromethane	74-97-5	N	0.13	U	µg/L	1	0.13
		SW8260	Bromodichloromethane	75-27-4	N	0.12	U	µg/L	0.5	0.12
		SW8260	Bromoform	75-25-2	N	0.08	U	µg/L	1	0.08
		SW8260	Bromomethane	74-83-9	N	0.23	U	µg/L	3	0.23
		SW8260	Carbon Tetrachloride	56-23-5	N	0.08	U	µg/L	1	0.08
		SW8260	Chlorobenzene	108-90-7	N	0.12	U	µg/L	0.5	0.12
		SW8260	Chloroethane	75-00-3	N	0.2	U	µg/L	1	0.2
		SW8260	Chloroform	67-66-3	N	1.06		µg/L	0.3	0.13
		SW8260	Chloromethane	74-87-3	N	0.15	U	µg/L	1	0.15
		SW8260	cis-1,2-DCE	156-59-2	N	88.5	F	µg/L	100	9.51
		SW8260	cis-1,3-Dichloropropene	10061-01-5	N	0.1	U	µg/L	0.5	0.1
		SW8260	Dibromochloromethane	124-48-1	N	0.09	U	µg/L	0.5	0.09
		SW8260	Dibromomethane	74-95-3	N	0.11	U	µg/L	1	0.11
		SW8260	Dichlorodifluoromethane	75-71-8	N	0.13	U	µg/L	1	0.13
		SW8260	Ethylbenzene	100-41-4	N	0.08	U	µg/L	1	0.08
		SW8260	Hexachlorobutadiene	87-68-3	N	0.09	U	µg/L	0.6	0.09
		SW8260	Isopropylbenzene	98-82-8	N	0.08	U	µg/L	1	0.08
		SW8260	m,p-Xylene	108-38-3/1	N	0.14	U	µg/L	2	0.14
		SW8260	MEK (2-Butanone)	78-93-3	N	0.2	U	µg/L	10	0.2
		SW8260	Methyl t-butyl ether (MtBE)	1634-04-4	N	0.15	U	µg/L	5	0.15
		SW8260	Methylene Chloride	75-09-2	N	0.2	U	µg/L	1	0.2
		SW8260	MIBK (methyl isobutyl ketone)	108-10-1	N	0.1	U	µg/L	10	0.1
		SW8260	Naphthalene	91-20-3	N	0.05	U	µg/L	1	0.05
		SW8260	n-Butylbenzene	104-51-8	N	0.09	U	µg/L	1	0.09
		SW8260	n-Propylbenzene	103-65-1	N	0.08	U	µg/L	1	0.08
		SW8260	o-Xylene	95-47-6	N	0.09	U	µg/L	1	0.09
		SW8260	p-Isopropyltoluene	99-87-6	N	0.09	U	µg/L	1	0.09
		SW8260	sec-Butylbenzene	135-98-8	N	0.07	U	µg/L	1	0.07

**ATTACHMENT B2**

Summary of Site 10 EISB Treatment System Analytical Data, First Quarter 2005

LTO&M First Quarter 2005 Report, Beale Air Force Base, California – Site 10 EISB Treatment System Monitoring Data

Sample Location	Sample Date	Method	Analyte	CAS No.	QA/QC Type	Result	Flag	Units	Reporting Limit	Method Detection Limit
<b>Site 10 EISB Treatment System – Performance Monitoring Well Results</b>										
10C055RW	1/17/2005	SW8260	Styrene	100-42-5	N	0.08	U	µg/L	1	0.08
		SW8260	TCE	79-01-6	N	1740		µg/L	100	9.85
		SW8260	Tert-Butylbenzene	98-06-6	N	0.07	U	µg/L	1	0.07
		SW8260	Tetrachloroethylene	127-18-4	N	147		µg/L	100	7.23
		SW8260	Toluene	108-88-3	N	0.08	U	µg/L	1	0.08
		SW8260	trans-1,2-DCE	156-60-5	N	0.15	F	µg/L	1	0.09
		SW8260	trans-1,3-Dichloropropene	10061-02-6	N	0.07	U	µg/L	1	0.07
		SW8260	Trichlorofluoromethane	75-69-4	N	0.17	U	µg/L	1	0.17
		SW8260	Vinyl Chloride	75-01-4	N	0.21	U	µg/L	1	0.21
		SW9056	Chloride	CHLORIDE	N	25.7		mg/L	5	0.055
		SW9056	Nitrate-N	NITRATE	N	1.84		mg/L	1	0.0022
		SW9056	Phosphate	Phosphate	N	0.013	U	mg/L	1	0.013
		SW9056	Sulfate	SULFATE	N	7.62		mg/L	1	0.008
	1/18/2005	RSK-175	Ethane	74-84-0	N	0.82		µg/L	0.82	0.034
		RSK-175	Ethene	74-85-1	N	0.069	F	µg/L	0.83	0.034
		RSK-175	Methane	74-82-8	N	1.51		µg/L	0.62	0.02
	3/22/2005	E300.0M	Acetic Acid	64-19-7	N	0.0077	U	mg/L	0.1	0.0077
		E300.0M	Lactic Acid	50-21-5	N	0.011	U	mg/L	0.1	0.011
		E300.0M	Propionic Acid	79-09-4	N	0.0091	U	mg/L	0.1	0.0091
		RSK-175	Ethane	74-84-0	N	0.3	F	µg/L	0.93	0.038
		RSK-175	Ethene	74-85-1	N	0.044	F	µg/L	0.93	0.038
		RSK-175	Methane	74-82-8	N	0.44	F	µg/L	0.7	0.022
		SW6010	Iron, dissolved	7439-89-6_D	N	0.024	F	mg/L	0.2	0.005
		SW6010	Manganese, dissolved	7439-96-5_D	N	0.0239		mg/L	0.01	0.0003
		SW8260	1,1,1,2-Tetrachloroethane	630-20-6	N	0.29	U	µg/L	2.5	0.29
		SW8260	1,1,1-TCA	71-55-6	N	0.39	U	µg/L	5	0.39
		SW8260	1,1,2,2-Tetrachloroethane	79-34-5	N	0.28	U	µg/L	2.5	0.28
		SW8260	1,1,2-TCA	79-00-5	N	0.99	F	µg/L	5	0.36
		SW8260	1,1-DCA	75-34-3	N	0.3	U	µg/L	5	0.3
		SW8260	1,1-DCE	75-35-4	N	0.37	U	µg/L	5	0.37
		SW8260	1,1-Dichloropropene	563-58-6	N	0.27	U	µg/L	5	0.27
		SW8260	1,2,3-Trichlorobenzene	87-61-6	N	0.44	U	µg/L	5	0.44
		SW8260	1,2,3-Trichloropropane	96-18-4	N	0.38	U	µg/L	5	0.38

# ATTACHMENT B2

Summary of Site 10 EISB Treatment System Analytical Data, First Quarter 2005

LTO&M First Quarter 2005 Report, Beale Air Force Base, California – Site 10 EISB Treatment System Monitoring Data

Sample Location	Sample Date	Method	Analyte	CAS No.	QA/QC Type	Result	Flag	Units	Reporting Limit	Method Detection Limit
<b>Site 10 EISB Treatment System – Performance Monitoring Well Results</b>										
10C055RW	3/22/2005	SW8260	1,2,4-Trichlorobenzene	120-82-1	N	0.32	U	µg/L	5	0.32
		SW8260	1,2,4-Trimethylbenzene	95-63-6	N	0.23	U	µg/L	5	0.23
		SW8260	1,2-DCA	107-06-2	N	0.43	U	µg/L	2.5	0.43
		SW8260	1,2-DCB	95-50-1	N	0.3	U	µg/L	5	0.3
		SW8260	1,2-Dibromo-3-chloropropane	96-12-8	N	0.59	U	µg/L	10	0.59
		SW8260	1,2-Dichloropropane	78-87-5	N	0.2	U	µg/L	5	0.2
		SW8260	1,2-EDB	106-93-4	N	0.37	U	µg/L	5	0.37
		SW8260	1,3,5-Trimethylbenzene	108-67-8	N	0.3	U	µg/L	5	0.3
		SW8260	1,3-DCB	541-73-1	N	0.32	U	µg/L	5	0.32
		SW8260	1,3-Dichloropropane	142-28-9	N	0.25	U	µg/L	2	0.25
		SW8260	1,4-DCB	106-46-7	N	0.34	U	µg/L	2.5	0.34
		SW8260	1-Chlorohexane	544-10-5	N	0.29	U	µg/L	5	0.29
		SW8260	2,2-Dichloropropane	594-20-7	N	0.45	U	µg/L	5	0.45
		SW8260	2-Chlorotoluene	95-49-8	N	0.28	U	µg/L	5	0.28
		SW8260	4-Chlorotoluene	106-43-4	N	0.3	U	µg/L	5	0.3
		SW8260	Acetone	67-64-1	N	2.4	U	µg/L	50	2.4
		SW8260	Benzene	71-43-2	N	0.31	U	µg/L	2	0.31
		SW8260	Bromobenzene	108-86-1	N	0.37	U	µg/L	5	0.37
		SW8260	Bromochloromethane	74-97-5	N	0.46	U	µg/L	5	0.46
		SW8260	Bromodichloromethane	75-27-4	N	0.36	U	µg/L	2.5	0.36
		SW8260	Bromoform	75-25-2	N	0.42	U	µg/L	5	0.42
		SW8260	Bromomethane	74-83-9	N	0.51	U	µg/L	15	0.51
		SW8260	Carbon Tetrachloride	56-23-5	N	0.28	U	µg/L	5	0.28
		SW8260	Chlorobenzene	108-90-7	N	0.35	U	µg/L	2.5	0.35
		SW8260	Chloroethane	75-00-3	N	0.16	U	µg/L	5	0.16
		SW8260	Chloroform	67-66-3	N	1.16	F	µg/L	1.5	0.44
		SW8260	Chloromethane	74-87-3	N	0.2	U	µg/L	5	0.2
		SW8260	cis-1,2-DCE	156-59-2	N	102		µg/L	5	0.29
		SW8260	cis-1,3-Dichloropropene	10061-01-5	N	0.35	U	µg/L	2.5	0.35
		SW8260	Dibromochloromethane	124-48-1	N	0.16	U	µg/L	2.5	0.16
		SW8260	Dibromomethane	74-95-3	N	0.43	U	µg/L	5	0.43
		SW8260	Dichlorodifluoromethane	75-71-8	N	0.27	U	µg/L	5	0.27
		SW8260	Ethylbenzene	100-41-4	N	0.28	U	µg/L	5	0.28

**ATTACHMENT B2**

Summary of Site 10 EISB Treatment System Analytical Data, First Quarter 2005

LTO&M First Quarter 2005 Report, Beale Air Force Base, California – Site 10 EISB Treatment System Monitoring Data

Sample Location	Sample Date	Method	Analyte	CAS No.	QA/QC Type	Result	Flag	Units	Reporting Limit	Method Detection Limit
<b>Site 10 EISB Treatment System – Performance Monitoring Well Results</b>										
10C055RW	3/22/2005	SW8260	Hexachlorobutadiene	87-68-3	N	0.37	U	µg/L	3	0.37
		SW8260	Isopropylbenzene	98-82-8	N	0.25	U	µg/L	5	0.25
		SW8260	m,p-Xylene	108-38-3/1	N	0.5	U	µg/L	10	0.5
		SW8260	MEK (2-Butanone)	78-93-3	N	1.4	U	µg/L	50	1.4
		SW8260	Methyl t-butyl ether (MtBE)	1634-04-4	N	0.29	U	µg/L	25	0.29
		SW8260	Methylene Chloride	75-09-2	N	0.33	U	µg/L	5	0.33
		SW8260	MIBK (methyl isobutyl ketone)	108-10-1	N	0.9	U	µg/L	50	0.9
		SW8260	Naphthalene	91-20-3	N	0.33	U	µg/L	5	0.33
		SW8260	n-Butylbenzene	104-51-8	N	0.3	U	µg/L	5	0.3
		SW8260	n-Propylbenzene	103-65-1	N	0.25	U	µg/L	5	0.25
		SW8260	o-Xylene	95-47-6	N	0.3	U	µg/L	5	0.3
		SW8260	p-Isopropyltoluene	99-87-6	N	0.21	U	µg/L	5	0.21
		SW8260	sec-Butylbenzene	135-98-8	N	0.28	U	µg/L	5	0.28
		SW8260	Styrene	100-42-5	N	0.25	U	µg/L	5	0.25
		SW8260	TCE	79-01-6	N	1570		µg/L	50	3.57
		SW8260	Tert-Butylbenzene	98-06-6	N	0.28	U	µg/L	5	0.28
		SW8260	Tetrachloroethylene	127-18-4	N	165		µg/L	5	0.39
		SW8260	Toluene	108-88-3	N	0.28	U	µg/L	5	0.28
		SW8260	trans-1,2-DCE	156-60-5	N	0.36	U	µg/L	5	0.36
		SW8260	trans-1,3-Dichloropropene	10061-02-6	N	0.27	U	µg/L	5	0.27
		SW8260	Trichlorofluoromethane	75-69-4	N	0.32	U	µg/L	5	0.32
		SW8260	Vinyl Chloride	75-01-4	N	0.47	U	µg/L	5	0.47
		SW9030	Sulfide	SULFIDE	N	4.2		mg/L	2	0.97
		SW9056	Chloride	CHLORIDE	N	23.4		mg/L	5	0.055
		SW9056	Nitrate-N	NITRATE	N	1.88		mg/L	1	0.0022
		SW9056	Nitrite-N	NITRITE	N	0.0058	U	mg/L	1	0.0058
		SW9056	Phosphate	Phosphate	N	0.05	F	mg/L	1	0.013
		SW9056	Sulfate	SULFATE	N	6.98		mg/L	1	0.008
10M004MW	1/17/2005	E300.0M	Acetic Acid	64-19-7	N	34		mg/L	0.5	0.11
		E300.0M	Lactic Acid	50-21-5	N	0.0083	U	mg/L	0.1	0.0083
		E300.0M	Propionic Acid	79-09-4	N	9.06		mg/L	0.1	0.01
		RSK-175	Ethane	74-84-0	N	32.7		µg/L	6.33	0.26
		RSK-175	Ethene	74-85-1	N	50.6		µg/L	5.97	0.25

# ATTACHMENT B2

Summary of Site 10 EISB Treatment System Analytical Data, First Quarter 2005

LTO&M First Quarter 2005 Report, Beale Air Force Base, California – Site 10 EISB Treatment System Monitoring Data

Sample Location	Sample Date	Method	Analyte	CAS No.	QA/QC Type	Result	Flag	Units	Reporting Limit	Method Detection Limit
<b>Site 10 EISB Treatment System – Performance Monitoring Well Results</b>										
10M004MW	1/17/2005	RSK-175	Methane	74-82-8	N	5900		µg/L	4.81	0.15
		SW6010	Iron, dissolved	7439-89-6_D	N	2.64		mg/L	0.2	0.005
		SW6010	Manganese, dissolved	7439-96-5_D	N	13		mg/L	0.01	0.0003
		SW8260	1,1,1,2-Tetrachloroethane	630-20-6	N	0.09	U	µg/L	0.5	0.09
		SW8260	1,1,1-TCA	71-55-6	N	0.11	U	µg/L	1	0.11
		SW8260	1,1,2,2-Tetrachloroethane	79-34-5	N	0.11	U	µg/L	0.5	0.11
		SW8260	1,1,2-TCA	79-00-5	N	0.14	U	µg/L	1	0.14
		SW8260	1,1-DCA	75-34-3	N	0.13	U	µg/L	1	0.13
		SW8260	1,1-DCE	75-35-4	N	0.15	F	µg/L	1	0.13
		SW8260	1,1-Dichloropropene	563-58-6	N	0.07	U	µg/L	1	0.07
		SW8260	1,2,3-Trichlorobenzene	87-61-6	N	0.07	U	µg/L	1	0.07
		SW8260	1,2,3-Trichloropropane	96-18-4	N	0.11	U	µg/L	1	0.11
		SW8260	1,2,4-Trichlorobenzene	120-82-1	N	0.08	U	µg/L	1	0.08
		SW8260	1,2,4-Trimethylbenzene	95-63-6	N	0.07	U	µg/L	1	0.07
		SW8260	1,2-DCA	107-06-2	N	0.1	U	µg/L	0.5	0.1
		SW8260	1,2-DCB	95-50-1	N	0.11	U	µg/L	1	0.11
		SW8260	1,2-Dibromo-3-chloropropane	96-12-8	N	0.12	U	µg/L	2	0.12
		SW8260	1,2-Dichloropropane	78-87-5	N	0.12	U	µg/L	1	0.12
		SW8260	1,2-EDB	106-93-4	N	0.09	U	µg/L	1	0.09
		SW8260	1,3,5-Trimethylbenzene	108-67-8	N	0.08	U	µg/L	1	0.08
		SW8260	1,3-DCB	541-73-1	N	0.1	U	µg/L	1	0.1
		SW8260	1,3-Dichloropropane	142-28-9	N	0.09	U	µg/L	0.4	0.09
		SW8260	1,4-DCB	106-46-7	N	0.13	U	µg/L	0.5	0.13
		SW8260	1-Chlorohexane	544-10-5	N	0.06	U	µg/L	1	0.06
		SW8260	2,2-Dichloropropane	594-20-7	N	0.12	U	µg/L	1	0.12
		SW8260	2-Chlorotoluene	95-49-8	N	0.08	U	µg/L	1	0.08
		SW8260	4-Chlorotoluene	106-43-4	N	0.07	U	µg/L	1	0.07
		SW8260	Acetone	67-64-1	N	0.6	U	µg/L	10	0.6
		SW8260	Benzene	71-43-2	N	0.07	U	µg/L	0.4	0.07
		SW8260	Bromobenzene	108-86-1	N	0.11	U	µg/L	1	0.11
		SW8260	Bromochloromethane	74-97-5	N	0.13	U	µg/L	1	0.13
		SW8260	Bromodichloromethane	75-27-4	N	0.12	U	µg/L	0.5	0.12
		SW8260	Bromoform	75-25-2	N	0.13	F	µg/L	1	0.08

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Summary of Site 10 EISB Treatment System Analytical Data, First Quarter 2005

LTO&M First Quarter 2005 Report, Beale Air Force Base, California – Site 10 EISB Treatment System Monitoring Data

Sample Location	Sample Date	Method	Analyte	CAS No.	QA/QC Type	Result	Flag	Units	Reporting Limit	Method Detection Limit
<b>Site 10 EISB Treatment System – Performance Monitoring Well Results</b>										
10M004MW	1/17/2005	SW8260	Bromomethane	74-83-9	N	0.23	U	µg/L	3	0.23
		SW8260	Carbon Tetrachloride	56-23-5	N	0.08	U	µg/L	1	0.08
		SW8260	Chlorobenzene	108-90-7	N	0.12	U	µg/L	0.5	0.12
		SW8260	Chloroethane	75-00-3	N	0.2	U	µg/L	1	0.2
		SW8260	Chloroform	67-66-3	N	0.13	U	µg/L	0.3	0.13
		SW8260	Chloromethane	74-87-3	N	0.15	U	µg/L	1	0.15
		SW8260	cis-1,2-DCE	156-59-2	N	181		µg/L	50	4.76
		SW8260	cis-1,3-Dichloropropene	10061-01-5	N	0.1	U	µg/L	0.5	0.1
		SW8260	Dibromochloromethane	124-48-1	N	0.19	F	µg/L	0.5	0.09
		SW8260	Dibromomethane	74-95-3	N	0.11	U	µg/L	1	0.11
		SW8260	Dichlorodifluoromethane	75-71-8	N	0.13	U	µg/L	1	0.13
		SW8260	Ethylbenzene	100-41-4	N	0.08	U	µg/L	1	0.08
		SW8260	Hexachlorobutadiene	87-68-3	N	0.09	U	µg/L	0.6	0.09
		SW8260	Isopropylbenzene	98-82-8	N	0.08	U	µg/L	1	0.08
		SW8260	m,p-Xylene	108-38-3/1	N	0.14	U	µg/L	2	0.14
		SW8260	MEK (2-Butanone)	78-93-3	N	0.2	U	µg/L	10	0.2
		SW8260	Methyl t-butyl ether (MtBE)	1634-04-4	N	0.15	U	µg/L	5	0.15
		SW8260	Methylene Chloride	75-09-2	N	0.2	U	µg/L	1	0.2
		SW8260	MIBK (methyl isobutyl ketone)	108-10-1	N	0.1	U	µg/L	10	0.1
		SW8260	Naphthalene	91-20-3	N	0.05	U	µg/L	1	0.05
		SW8260	n-Butylbenzene	104-51-8	N	0.09	U	µg/L	1	0.09
		SW8260	n-Propylbenzene	103-65-1	N	0.08	U	µg/L	1	0.08
		SW8260	o-Xylene	95-47-6	N	0.09	U	µg/L	1	0.09
		SW8260	p-Isopropyltoluene	99-87-6	N	0.09	U	µg/L	1	0.09
		SW8260	sec-Butylbenzene	135-98-8	N	0.07	U	µg/L	1	0.07
		SW8260	Styrene	100-42-5	N	0.08	U	µg/L	1	0.08
		SW8260	TCE	79-01-6	N	34.3		µg/L	1	0.1
		SW8260	Tert-Butylbenzene	98-06-6	N	0.07	U	µg/L	1	0.07
		SW8260	Tetrachloroethylene	127-18-4	N	0.4	F	µg/L	1	0.07
		SW8260	Toluene	108-88-3	N	0.08	U	µg/L	1	0.08
		SW8260	trans-1,2-DCE	156-60-5	N	1.04		µg/L	1	0.09
		SW8260	trans-1,3-Dichloropropene	10061-02-6	N	0.07	U	µg/L	1	0.07
		SW8260	Trichlorofluoromethane	75-69-4	N	0.17	U	µg/L	1	0.17

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Summary of Site 10 EISB Treatment System Analytical Data, First Quarter 2005

LTO&M First Quarter 2005 Report, Beale Air Force Base, California – Site 10 EISB Treatment System Monitoring Data

Sample Location	Sample Date	Method	Analyte	CAS No.	QA/QC Type	Result	Flag	Units	Reporting Limit	Method Detection Limit
<b>Site 10 EISB Treatment System – Performance Monitoring Well Results</b>										
10M004MW	1/17/2005	SW8260	Vinyl Chloride	75-01-4	N	54		µg/L	1	0.21
		SW9056	Chloride	CHLORIDE	N	20.2		mg/L	5	0.055
		SW9056	Nitrate-N	NITRATE	N	0.0022	U	mg/L	1	0.0022
		SW9056	Phosphate	Phosphate	N	0.013	U	mg/L	1	0.013
		SW9056	Sulfate	SULFATE	N	0.24	F	mg/L	1	0.008
	3/21/2005	E300.0M	Acetic Acid	64-19-7	N	46.2		mg/L	1	0.077
		E300.0M	Lactic Acid	50-21-5	N	1.53		mg/L	0.1	0.011
		E300.0M	Propionic Acid	79-09-4	N	51.3		mg/L	1	0.091
		RSK-175	Ethane	74-84-0	N	47.2		µg/L	9.67	0.4
		RSK-175	Ethene	74-85-1	N	27		µg/L	9.08	0.38
		RSK-175	Methane	74-82-8	N	16700		µg/L	7.36	0.24
		SW6010	Iron, dissolved	7439-89-6_D	N	3.14		mg/L	0.2	0.004
		SW6010	Manganese, dissolved	7439-96-5_D	N	8.31		mg/L	0.01	0.0006
		SW8260	1,1,1,2-Tetrachloroethane	630-20-6	N	0.06	U	µg/L	0.5	0.06
		SW8260	1,1,1-TCA	71-55-6	N	0.08	U	µg/L	1	0.08
		SW8260	1,1,2,2-Tetrachloroethane	79-34-5	N	0.06	U	µg/L	0.5	0.06
		SW8260	1,1,2-TCA	79-00-5	N	0.07	U	µg/L	1	0.07
		SW8260	1,1-DCA	75-34-3	N	0.06	U	µg/L	1	0.06
		SW8260	1,1-DCE	75-35-4	N	0.07	U	µg/L	1	0.07
		SW8260	1,1-Dichloropropene	563-58-6	N	0.05	U	µg/L	1	0.05
		SW8260	1,2,3-Trichlorobenzene	87-61-6	N	0.09	U	µg/L	1	0.09
		SW8260	1,2,3-Trichloropropane	96-18-4	N	0.08	U	µg/L	1	0.08
		SW8260	1,2,4-Trichlorobenzene	120-82-1	N	0.06	U	µg/L	1	0.06
		SW8260	1,2,4-Trimethylbenzene	95-63-6	N	0.05	U	µg/L	1	0.05
		SW8260	1,2-DCA	107-06-2	N	0.09	U	µg/L	0.5	0.09
		SW8260	1,2-DCB	95-50-1	N	0.06	U	µg/L	1	0.06
		SW8260	1,2-Dibromo-3-chloropropane	96-12-8	N	0.12	U	µg/L	2	0.12
		SW8260	1,2-Dichloropropane	78-87-5	N	0.04	U	µg/L	1	0.04
		SW8260	1,2-EDB	106-93-4	N	0.07	U	µg/L	1	0.07
		SW8260	1,3,5-Trimethylbenzene	108-67-8	N	0.06	U	µg/L	1	0.06
		SW8260	1,3-DCB	541-73-1	N	0.06	U	µg/L	1	0.06
		SW8260	1,3-Dichloropropane	142-28-9	N	0.05	U	µg/L	0.4	0.05
		SW8260	1,4-DCB	106-46-7	N	0.07	U	µg/L	0.5	0.07

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Summary of Site 10 EISB Treatment System Analytical Data, First Quarter 2005

LTO&M First Quarter 2005 Report, Beale Air Force Base, California – Site 10 EISB Treatment System Monitoring Data

Sample Location	Sample Date	Method	Analyte	CAS No.	QA/QC Type	Result	Flag	Units	Reporting Limit	Method Detection Limit
<b>Site 10 EISB Treatment System – Performance Monitoring Well Results</b>										
10M004MW	3/21/2005	SW8260	1-Chlorohexane	544-10-5	N	0.06	U	µg/L	1	0.06
		SW8260	2,2-Dichloropropane	594-20-7	N	0.09	U	µg/L	1	0.09
		SW8260	2-Chlorotoluene	95-49-8	N	0.06	U	µg/L	1	0.06
		SW8260	4-Chlorotoluene	106-43-4	N	0.06	U	µg/L	1	0.06
		SW8260	Acetone	67-64-1	N	23.4		µg/L	10	0.5
		SW8260	Benzene	71-43-2	N	0.07	F	µg/L	0.4	0.06
		SW8260	Bromobenzene	108-86-1	N	0.07	U	µg/L	1	0.07
		SW8260	Bromochloromethane	74-97-5	N	0.09	U	µg/L	1	0.09
		SW8260	Bromodichloromethane	75-27-4	N	0.07	U	µg/L	0.5	0.07
		SW8260	Bromoform	75-25-2	N	0.08	U	µg/L	1	0.08
		SW8260	Bromomethane	74-83-9	N	0.1	U	µg/L	3	0.1
		SW8260	Carbon Tetrachloride	56-23-5	N	0.06	U	µg/L	1	0.06
		SW8260	Chlorobenzene	108-90-7	N	0.07	U	µg/L	0.5	0.07
		SW8260	Chloroethane	75-00-3	N	0.03	U	µg/L	1	0.03
		SW8260	Chloroform	67-66-3	N	0.09	U	µg/L	0.3	0.09
		SW8260	Chloromethane	74-87-3	N	0.04	U	µg/L	1	0.04
		SW8260	cis-1,2-DCE	156-59-2	N	0.5	F	µg/L	1	0.06
		SW8260	cis-1,3-Dichloropropene	10061-01-5	N	0.07	U	µg/L	0.5	0.07
		SW8260	Dibromochloromethane	124-48-1	N	0.03	U	µg/L	0.5	0.03
		SW8260	Dibromomethane	74-95-3	N	0.09	U	µg/L	1	0.09
		SW8260	Dichlorodifluoromethane	75-71-8	N	0.05	U	µg/L	1	0.05
		SW8260	Ethylbenzene	100-41-4	N	0.06	U	µg/L	1	0.06
		SW8260	Hexachlorobutadiene	87-68-3	N	0.07	U	µg/L	0.6	0.07
		SW8260	Isopropylbenzene	98-82-8	N	0.05	U	µg/L	1	0.05
		SW8260	m,p-Xylene	108-38-3/1	N	0.1	U	µg/L	2	0.1
		SW8260	MEK (2-Butanone)	78-93-3	N	41.2		µg/L	10	0.3
		SW8260	Methyl t-butyl ether (MtBE)	1634-04-4	N	0.06	U	µg/L	5	0.06
		SW8260	Methylene Chloride	75-09-2	N	0.07	U	µg/L	1	0.07
		SW8260	MIBK (methyl isobutyl ketone)	108-10-1	N	0.2	U	µg/L	10	0.2
		SW8260	Naphthalene	91-20-3	N	0.07	U	µg/L	1	0.07
		SW8260	n-Butylbenzene	104-51-8	N	0.06	U	µg/L	1	0.06
		SW8260	n-Propylbenzene	103-65-1	N	0.05	U	µg/L	1	0.05
		SW8260	o-Xylene	95-47-6	N	0.06	U	µg/L	1	0.06

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Summary of Site 10 EISB Treatment System Analytical Data, First Quarter 2005

LTO&M First Quarter 2005 Report, Beale Air Force Base, California – Site 10 EISB Treatment System Monitoring Data

Sample Location	Sample Date	Method	Analyte	CAS No.	QA/QC Type	Result	Flag	Units	Reporting Limit	Method Detection Limit
<b>Site 10 EISB Treatment System – Performance Monitoring Well Results</b>										
10M004MW	3/21/2005	SW8260	p-Isopropyltoluene	99-87-6	N	0.04	U	µg/L	1	0.04
		SW8260	sec-Butylbenzene	135-98-8	N	0.06	U	µg/L	1	0.06
		SW8260	Styrene	100-42-5	N	0.05	U	µg/L	1	0.05
		SW8260	TCE	79-01-6	N	0.1	F	µg/L	1	0.07
		SW8260	Tert-Butylbenzene	98-06-6	N	0.06	U	µg/L	1	0.06
		SW8260	Tetrachloroethylene	127-18-4	N	0.08	U	µg/L	1	0.08
		SW8260	Toluene	108-88-3	N	0.21	F	µg/L	1	0.06
		SW8260	trans-1,2-DCE	156-60-5	N	0.16	F	µg/L	1	0.07
		SW8260	trans-1,3-Dichloropropene	10061-02-6	N	0.05	U	µg/L	1	0.05
		SW8260	Trichlorofluoromethane	75-69-4	N	0.06	U	µg/L	1	0.06
		SW8260	Vinyl Chloride	75-01-4	N	2.24		µg/L	1	0.09
		SW9030	Sulfide	SULFIDE	N	3		mg/L	2	0.97
		SW9056	Chloride	CHLORIDE	N	20		mg/L	5	0.055
		SW9056	Nitrate-N	NITRATE	N	0.0022	U	mg/L	1	0.0022
		SW9056	Nitrite-N	NITRITE	N	0.0058	U	mg/L	1	0.0058
		SW9056	Phosphate	Phosphate	N	0.013	U	mg/L	1	0.013
		SW9056	Sulfate	SULFATE	N	0.035	F	mg/L	1	0.008
10M006MW	1/18/2005	E300.0M	Acetic Acid	64-19-7	FD	0.021	U	mg/L	0.1	0.021
		E300.0M	Acetic Acid	64-19-7	N	0.021	U	mg/L	0.1	0.021
		E300.0M	Lactic Acid	50-21-5	N	0.0083	U	mg/L	0.1	0.0083
		E300.0M	Lactic Acid	50-21-5	FD	0.0083	U	mg/L	0.1	0.0083
		E300.0M	Propionic Acid	79-09-4	N	0.01	U	mg/L	0.1	0.01
		E300.0M	Propionic Acid	79-09-4	FD	0.01	U	mg/L	0.1	0.01
		RSK-175	Ethane	74-84-0	FD	0.033	U	µg/L	0.78	0.033
		RSK-175	Ethane	74-84-0	N	0.03	U	µg/L	0.74	0.03
		RSK-175	Ethene	74-85-1	FD	0.033	U	µg/L	0.79	0.033
		RSK-175	Ethene	74-85-1	N	0.031	U	µg/L	0.75	0.031
		RSK-175	Methane	74-82-8	FD	0.24	F	µg/L	0.59	0.019
		RSK-175	Methane	74-82-8	N	0.21	F	µg/L	0.55	0.018
		SW6010	Manganese, dissolved	7439-96-5_D	N	0.0003	U	mg/L	0.01	0.0003
		SW6010	Manganese, dissolved	7439-96-5_D	FD	0.0011	F	mg/L	0.01	0.0003
		SW8260	1,1,1,2-Tetrachloroethane	630-20-6	N	0.09	U	µg/L	0.5	0.09
		SW8260	1,1,1,2-Tetrachloroethane	630-20-6	FD	0.09	U	µg/L	0.5	0.09

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Summary of Site 10 EISB Treatment System Analytical Data, First Quarter 2005

LTO&M First Quarter 2005 Report, Beale Air Force Base, California – Site 10 EISB Treatment System Monitoring Data

Sample Location	Sample Date	Method	Analyte	CAS No.	QA/QC Type	Result	Flag	Units	Reporting Limit	Method Detection Limit
<b>Site 10 EISB Treatment System – Performance Monitoring Well Results</b>										
10M006MW	1/18/2005	SW8260	1,1,1-TCA	71-55-6	FD	0.11	U	µg/L	1	0.11
		SW8260	1,1,1-TCA	71-55-6	N	0.11	U	µg/L	1	0.11
		SW8260	1,1,2,2-Tetrachloroethane	79-34-5	N	0.11	U	µg/L	0.5	0.11
		SW8260	1,1,2,2-Tetrachloroethane	79-34-5	FD	0.11	U	µg/L	0.5	0.11
		SW8260	1,1,2-TCA	79-00-5	FD	0.14	U	µg/L	1	0.14
		SW8260	1,1,2-TCA	79-00-5	N	0.14	U	µg/L	1	0.14
		SW8260	1,1-DCA	75-34-3	FD	0.13	U	µg/L	1	0.13
		SW8260	1,1-DCA	75-34-3	N	0.13	U	µg/L	1	0.13
		SW8260	1,1-DCE	75-35-4	FD	0.13	U	µg/L	1	0.13
		SW8260	1,1-DCE	75-35-4	N	0.13	U	µg/L	1	0.13
		SW8260	1,1-Dichloropropene	563-58-6	N	0.07	U	µg/L	1	0.07
		SW8260	1,1-Dichloropropene	563-58-6	FD	0.07	U	µg/L	1	0.07
		SW8260	1,2,3-Trichlorobenzene	87-61-6	FD	0.07	U	µg/L	1	0.07
		SW8260	1,2,3-Trichlorobenzene	87-61-6	N	0.07	U	µg/L	1	0.07
		SW8260	1,2,3-Trichloropropane	96-18-4	FD	0.11	U	µg/L	1	0.11
		SW8260	1,2,3-Trichloropropane	96-18-4	N	0.11	U	µg/L	1	0.11
		SW8260	1,2,4-Trichlorobenzene	120-82-1	N	0.08	U	µg/L	1	0.08
		SW8260	1,2,4-Trichlorobenzene	120-82-1	FD	0.08	U	µg/L	1	0.08
		SW8260	1,2,4-Trimethylbenzene	95-63-6	N	0.07	U	µg/L	1	0.07
		SW8260	1,2,4-Trimethylbenzene	95-63-6	FD	0.07	U	µg/L	1	0.07
		SW8260	1,2-DCA	107-06-2	FD	0.1	U	µg/L	0.5	0.1
		SW8260	1,2-DCA	107-06-2	N	0.1	U	µg/L	0.5	0.1
		SW8260	1,2-DCB	95-50-1	FD	0.11	U	µg/L	1	0.11
		SW8260	1,2-DCB	95-50-1	N	0.11	U	µg/L	1	0.11
		SW8260	1,2-Dibromo-3-chloropropane	96-12-8	N	0.12	U	µg/L	2	0.12
		SW8260	1,2-Dibromo-3-chloropropane	96-12-8	FD	0.12	U	µg/L	2	0.12
		SW8260	1,2-Dichloropropane	78-87-5	N	0.12	U	µg/L	1	0.12
		SW8260	1,2-Dichloropropane	78-87-5	FD	0.12	U	µg/L	1	0.12
		SW8260	1,2-EDB	106-93-4	FD	0.09	U	µg/L	1	0.09
		SW8260	1,2-EDB	106-93-4	N	0.09	U	µg/L	1	0.09
		SW8260	1,3,5-Trimethylbenzene	108-67-8	N	0.08	U	µg/L	1	0.08
		SW8260	1,3,5-Trimethylbenzene	108-67-8	FD	0.08	U	µg/L	1	0.08
		SW8260	1,3-DCB	541-73-1	FD	0.1	U	µg/L	1	0.1

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Summary of Site 10 EISB Treatment System Analytical Data, First Quarter 2005

LTO&M First Quarter 2005 Report, Beale Air Force Base, California – Site 10 EISB Treatment System Monitoring Data

Sample Location	Sample Date	Method	Analyte	CAS No.	QA/QC Type	Result	Flag	Units	Reporting Limit	Method Detection Limit
<b>Site 10 EISB Treatment System – Performance Monitoring Well Results</b>										
10M006MW	1/18/2005	SW8260	1,3-DCB	541-73-1	N	0.1	U	µg/L	1	0.1
		SW8260	1,3-Dichloropropane	142-28-9	FD	0.09	U	µg/L	0.4	0.09
		SW8260	1,3-Dichloropropane	142-28-9	N	0.09	U	µg/L	0.4	0.09
		SW8260	1,4-DCB	106-46-7	FD	0.13	U	µg/L	0.5	0.13
		SW8260	1,4-DCB	106-46-7	N	0.13	U	µg/L	0.5	0.13
		SW8260	1-Chlorohexane	544-10-5	FD	0.06	U	µg/L	1	0.06
		SW8260	1-Chlorohexane	544-10-5	N	0.06	U	µg/L	1	0.06
		SW8260	2,2-Dichloropropane	594-20-7	N	0.12	U	µg/L	1	0.12
		SW8260	2,2-Dichloropropane	594-20-7	FD	0.12	U	µg/L	1	0.12
		SW8260	2-Chlorotoluene	95-49-8	FD	0.08	U	µg/L	1	0.08
		SW8260	2-Chlorotoluene	95-49-8	N	0.08	U	µg/L	1	0.08
		SW8260	4-Chlorotoluene	106-43-4	FD	0.07	U	µg/L	1	0.07
		SW8260	4-Chlorotoluene	106-43-4	N	0.07	U	µg/L	1	0.07
		SW8260	Acetone	67-64-1	N	0.6	U	µg/L	10	0.6
		SW8260	Acetone	67-64-1	FD	2.3	F	µg/L	10	0.6
		SW8260	Benzene	71-43-2	N	0.07	U	µg/L	0.4	0.07
		SW8260	Benzene	71-43-2	FD	0.07	U	µg/L	0.4	0.07
		SW8260	Bromobenzene	108-86-1	N	0.11	U	µg/L	1	0.11
		SW8260	Bromobenzene	108-86-1	FD	0.11	U	µg/L	1	0.11
		SW8260	Bromochloromethane	74-97-5	N	0.13	U	µg/L	1	0.13
		SW8260	Bromochloromethane	74-97-5	FD	0.13	U	µg/L	1	0.13
		SW8260	Bromodichloromethane	75-27-4	FD	0.12	U	µg/L	0.5	0.12
		SW8260	Bromodichloromethane	75-27-4	N	0.12	U	µg/L	0.5	0.12
		SW8260	Bromoform	75-25-2	N	1.5	F	µg/L	10	0.76
		SW8260	Bromoform	75-25-2	FD	0.08	U	µg/L	1	0.08
		SW8260	Bromomethane	74-83-9	FD	0.23	U	µg/L	3	0.23
		SW8260	Bromomethane	74-83-9	N	0.23	U	µg/L	3	0.23
		SW8260	Carbon Tetrachloride	56-23-5	N	0.08	U	µg/L	1	0.08
		SW8260	Carbon Tetrachloride	56-23-5	FD	0.08	U	µg/L	1	0.08
		SW8260	Chlorobenzene	108-90-7	FD	0.12	U	µg/L	0.5	0.12
		SW8260	Chlorobenzene	108-90-7	N	0.12	U	µg/L	0.5	0.12
		SW8260	Chloroethane	75-00-3	N	0.2	U	µg/L	1	0.2
		SW8260	Chloroethane	75-00-3	FD	0.2	U	µg/L	1	0.2

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Summary of Site 10 EISB Treatment System Analytical Data, First Quarter 2005

LTO&M First Quarter 2005 Report, Beale Air Force Base, California – Site 10 EISB Treatment System Monitoring Data

Sample Location	Sample Date	Method	Analyte	CAS No.	QA/QC Type	Result	Flag	Units	Reporting Limit	Method Detection Limit
<b>Site 10 EISB Treatment System – Performance Monitoring Well Results</b>										
10M006MW	1/18/2005	SW8260	Chloroform	67-66-3	N	0.19	F	µg/L	0.3	0.13
		SW8260	Chloroform	67-66-3	FD	0.2	F	µg/L	0.3	0.13
		SW8260	Chloromethane	74-87-3	FD	0.15	U	µg/L	1	0.15
		SW8260	Chloromethane	74-87-3	N	0.15	U	µg/L	1	0.15
		SW8260	cis-1,2-DCE	156-59-2	FD	32.6		µg/L	1	0.1
		SW8260	cis-1,2-DCE	156-59-2	N	34.4		µg/L	1	0.1
		SW8260	cis-1,3-Dichloropropene	10061-01-5	N	0.1	U	µg/L	0.5	0.1
		SW8260	cis-1,3-Dichloropropene	10061-01-5	FD	0.1	U	µg/L	0.5	0.1
		SW8260	Dibromochloromethane	124-48-1	N	3.34	F	µg/L	5	0.9
		SW8260	Dibromochloromethane	124-48-1	FD	0.09	U	µg/L	0.5	0.09
		SW8260	Dibromomethane	74-95-3	FD	0.11	U	µg/L	1	0.11
		SW8260	Dibromomethane	74-95-3	N	0.11	U	µg/L	1	0.11
		SW8260	Dichlorodifluoromethane	75-71-8	N	0.13	U	µg/L	1	0.13
		SW8260	Dichlorodifluoromethane	75-71-8	FD	0.13	U	µg/L	1	0.13
		SW8260	Ethylbenzene	100-41-4	FD	0.08	U	µg/L	1	0.08
		SW8260	Ethylbenzene	100-41-4	N	0.08	U	µg/L	1	0.08
		SW8260	Hexachlorobutadiene	87-68-3	N	0.09	U	µg/L	0.6	0.09
		SW8260	Hexachlorobutadiene	87-68-3	FD	0.09	U	µg/L	0.6	0.09
		SW8260	Isopropylbenzene	98-82-8	N	0.08	U	µg/L	1	0.08
		SW8260	Isopropylbenzene	98-82-8	FD	0.08	U	µg/L	1	0.08
		SW8260	m,p-Xylene	108-38-3/1	N	0.14	U	µg/L	2	0.14
		SW8260	m,p-Xylene	108-38-3/1	FD	0.14	U	µg/L	2	0.14
		SW8260	MEK (2-Butanone)	78-93-3	N	0.2	U	µg/L	10	0.2
		SW8260	MEK (2-Butanone)	78-93-3	FD	0.2	U	µg/L	10	0.2
		SW8260	Methyl t-butyl ether (MtBE)	1634-04-4	FD	0.15	U	µg/L	5	0.15
		SW8260	Methyl t-butyl ether (MtBE)	1634-04-4	N	0.15	U	µg/L	5	0.15
		SW8260	Methylene Chloride	75-09-2	FD	0.2	U	µg/L	1	0.2
		SW8260	Methylene Chloride	75-09-2	N	0.2	U	µg/L	1	0.2
		SW8260	MIBK (methyl isobutyl ketone)	108-10-1	N	0.1	U	µg/L	10	0.1
		SW8260	MIBK (methyl isobutyl ketone)	108-10-1	FD	0.1	U	µg/L	10	0.1
		SW8260	Naphthalene	91-20-3	N	0.05	U	µg/L	1	0.05
		SW8260	Naphthalene	91-20-3	FD	0.05	U	µg/L	1	0.05
		SW8260	n-Butylbenzene	104-51-8	FD	0.09	U	µg/L	1	0.09

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Summary of Site 10 EISB Treatment System Analytical Data, First Quarter 2005

LTO&M First Quarter 2005 Report, Beale Air Force Base, California – Site 10 EISB Treatment System Monitoring Data

Sample Location	Sample Date	Method	Analyte	CAS No.	QA/QC Type	Result	Flag	Units	Reporting Limit	Method Detection Limit
<b>Site 10 EISB Treatment System – Performance Monitoring Well Results</b>										
10M006MW	1/18/2005	SW8260	n-Butylbenzene	104-51-8	N	0.09	U	µg/L	1	0.09
		SW8260	n-Propylbenzene	103-65-1	N	0.08	U	µg/L	1	0.08
		SW8260	n-Propylbenzene	103-65-1	FD	0.08	U	µg/L	1	0.08
		SW8260	o-Xylene	95-47-6	N	0.09	U	µg/L	1	0.09
		SW8260	o-Xylene	95-47-6	FD	0.09	U	µg/L	1	0.09
		SW8260	p-Isopropyltoluene	99-87-6	N	0.09	U	µg/L	1	0.09
		SW8260	p-Isopropyltoluene	99-87-6	FD	0.09	U	µg/L	1	0.09
		SW8260	sec-Butylbenzene	135-98-8	N	0.07	U	µg/L	1	0.07
		SW8260	sec-Butylbenzene	135-98-8	FD	0.07	U	µg/L	1	0.07
		SW8260	Styrene	100-42-5	FD	0.08	U	µg/L	1	0.08
		SW8260	Styrene	100-42-5	N	0.08	U	µg/L	1	0.08
		SW8260	TCE	79-01-6	FD	157		µg/L	10	0.99
		SW8260	TCE	79-01-6	N	157		µg/L	10	0.99
		SW8260	Tert-Butylbenzene	98-06-6	N	0.07	U	µg/L	1	0.07
		SW8260	Tert-Butylbenzene	98-06-6	FD	0.07	U	µg/L	1	0.07
		SW8260	Tetrachloroethylene	127-18-4	N	1.98		µg/L	1	0.07
		SW8260	Tetrachloroethylene	127-18-4	FD	1.93		µg/L	1	0.07
		SW8260	Toluene	108-88-3	N	0.08	U	µg/L	1	0.08
		SW8260	Toluene	108-88-3	FD	0.08	U	µg/L	1	0.08
		SW8260	trans-1,2-DCE	156-60-5	FD	0.11	F	µg/L	1	0.09
		SW8260	trans-1,2-DCE	156-60-5	N	0.1	F	µg/L	1	0.09
		SW8260	trans-1,3-Dichloropropene	10061-02-6	N	0.07	U	µg/L	1	0.07
		SW8260	trans-1,3-Dichloropropene	10061-02-6	FD	0.07	U	µg/L	1	0.07
		SW8260	Trichlorofluoromethane	75-69-4	FD	0.17	U	µg/L	1	0.17
		SW8260	Trichlorofluoromethane	75-69-4	N	0.17	U	µg/L	1	0.17
		SW8260	Vinyl Chloride	75-01-4	FD	0.21	U	µg/L	1	0.21
		SW8260	Vinyl Chloride	75-01-4	N	0.21	U	µg/L	1	0.21
		SW9056	Chloride	CHLORIDE	FD	2.77		mg/L	1	0.011
		SW9056	Chloride	CHLORIDE	N	2.85		mg/L	1	0.011
		SW9056	Nitrate-N	NITRATE	FD	2.55		mg/L	1	0.0022
		SW9056	Nitrate-N	NITRATE	N	2.51		mg/L	1	0.0022
		SW9056	Phosphate	Phosphate	N	0.013	U	mg/L	1	0.013
		SW9056	Phosphate	Phosphate	FD	0.055	F	mg/L	1	0.013

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Summary of Site 10 EISB Treatment System Analytical Data, First Quarter 2005

LTO&M First Quarter 2005 Report, Beale Air Force Base, California – Site 10 EISB Treatment System Monitoring Data

Sample Location	Sample Date	Method	Analyte	CAS No.	QA/QC Type	Result	Flag	Units	Reporting Limit	Method Detection Limit
<b>Site 10 EISB Treatment System – Performance Monitoring Well Results</b>										
10M006MW	1/18/2005	SW9056	Sulfate	SULFATE	N	5.27		mg/L	1	0.008
		SW9056	Sulfate	SULFATE	FD	5.35		mg/L	1	0.008
	3/22/2005	E300.0M	Acetic Acid	64-19-7	N	0.0077	U	mg/L	0.1	0.0077
		E300.0M	Lactic Acid	50-21-5	N	0.011	U	mg/L	0.1	0.011
		E300.0M	Propionic Acid	79-09-4	N	0.0091	U	mg/L	0.1	0.0091
		RSK-175	Ethane	74-84-0	N	0.035	U	µg/L	0.84	0.035
		RSK-175	Ethene	74-85-1	N	0.035	U	µg/L	0.85	0.035
		RSK-175	Methane	74-82-8	N	0.15	F	µg/L	0.63	0.02
		SW6010	Iron, dissolved	7439-89-6_D	N	0.013	F	mg/L	0.2	0.005
		SW6010	Manganese, dissolved	7439-96-5_D	N	0.0009	F	mg/L	0.01	0.0003
		SW8260	1,1,1,2-Tetrachloroethane	630-20-6	N	0.06	U	µg/L	0.5	0.06
		SW8260	1,1,1-TCA	71-55-6	N	0.08	U	µg/L	1	0.08
		SW8260	1,1,2,2-Tetrachloroethane	79-34-5	N	0.06	U	µg/L	0.5	0.06
		SW8260	1,1,2-TCA	79-00-5	N	0.07	U	µg/L	1	0.07
		SW8260	1,1-DCA	75-34-3	N	0.06	U	µg/L	1	0.06
		SW8260	1,1-DCE	75-35-4	N	0.07	U	µg/L	1	0.07
		SW8260	1,1-Dichloropropene	563-58-6	N	0.05	U	µg/L	1	0.05
		SW8260	1,2,3-Trichlorobenzene	87-61-6	N	0.09	U	µg/L	1	0.09
		SW8260	1,2,3-Trichloropropane	96-18-4	N	0.08	U	µg/L	1	0.08
		SW8260	1,2,4-Trichlorobenzene	120-82-1	N	0.06	U	µg/L	1	0.06
		SW8260	1,2,4-Trimethylbenzene	95-63-6	N	0.05	U	µg/L	1	0.05
		SW8260	1,2-DCA	107-06-2	N	0.09	U	µg/L	0.5	0.09
		SW8260	1,2-DCB	95-50-1	N	0.06	U	µg/L	1	0.06
		SW8260	1,2-Dibromo-3-chloropropane	96-12-8	N	0.12	U	µg/L	2	0.12
		SW8260	1,2-Dichloropropane	78-87-5	N	0.04	U	µg/L	1	0.04
		SW8260	1,2-EDB	106-93-4	N	0.07	U	µg/L	1	0.07
		SW8260	1,3,5-Trimethylbenzene	108-67-8	N	0.06	U	µg/L	1	0.06
		SW8260	1,3-DCB	541-73-1	N	0.06	U	µg/L	1	0.06
		SW8260	1,3-Dichloropropane	142-28-9	N	0.05	U	µg/L	0.4	0.05
		SW8260	1,4-DCB	106-46-7	N	0.07	U	µg/L	0.5	0.07
		SW8260	1-Chlorohexane	544-10-5	N	0.06	U	µg/L	1	0.06
		SW8260	2,2-Dichloropropane	594-20-7	N	0.09	U	µg/L	1	0.09
		SW8260	2-Chlorotoluene	95-49-8	N	0.06	U	µg/L	1	0.06

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Summary of Site 10 EISB Treatment System Analytical Data, First Quarter 2005

LTO&M First Quarter 2005 Report, Beale Air Force Base, California – Site 10 EISB Treatment System Monitoring Data

Sample Location	Sample Date	Method	Analyte	CAS No.	QA/QC Type	Result	Flag	Units	Reporting Limit	Method Detection Limit
<b>Site 10 EISB Treatment System – Performance Monitoring Well Results</b>										
10M006MW	3/22/2005	SW8260	4-Chlorotoluene	106-43-4	N	0.06	U	µg/L	1	0.06
		SW8260	Acetone	67-64-1	N	0.5	U	µg/L	10	0.5
		SW8260	Benzene	71-43-2	N	0.06	U	µg/L	0.4	0.06
		SW8260	Bromobenzene	108-86-1	N	0.07	U	µg/L	1	0.07
		SW8260	Bromochloromethane	74-97-5	N	0.09	U	µg/L	1	0.09
		SW8260	Bromodichloromethane	75-27-4	N	0.07	U	µg/L	0.5	0.07
		SW8260	Bromoform	75-25-2	N	0.08	U	µg/L	1	0.08
		SW8260	Bromomethane	74-83-9	N	0.1	U	µg/L	3	0.1
		SW8260	Carbon Tetrachloride	56-23-5	N	0.06	U	µg/L	1	0.06
		SW8260	Chlorobenzene	108-90-7	N	0.07	U	µg/L	0.5	0.07
		SW8260	Chloroethane	75-00-3	N	0.03	U	µg/L	1	0.03
		SW8260	Chloroform	67-66-3	N	0.15	F	µg/L	0.3	0.09
		SW8260	Chloromethane	74-87-3	N	0.04	U	µg/L	1	0.04
		SW8260	cis-1,2-DCE	156-59-2	N	25.3		µg/L	1	0.06
		SW8260	cis-1,3-Dichloropropene	10061-01-5	N	0.07	U	µg/L	0.5	0.07
		SW8260	Dibromochloromethane	124-48-1	N	0.03	U	µg/L	0.5	0.03
		SW8260	Dibromomethane	74-95-3	N	0.09	U	µg/L	1	0.09
		SW8260	Dichlorodifluoromethane	75-71-8	N	0.05	U	µg/L	1	0.05
		SW8260	Ethylbenzene	100-41-4	N	0.06	U	µg/L	1	0.06
		SW8260	Hexachlorobutadiene	87-68-3	N	0.07	U	µg/L	0.6	0.07
		SW8260	Isopropylbenzene	98-82-8	N	0.05	U	µg/L	1	0.05
		SW8260	m,p-Xylene	108-38-3/1	N	0.1	U	µg/L	2	0.1
		SW8260	MEK (2-Butanone)	78-93-3	N	0.3	U	µg/L	10	0.3
		SW8260	Methyl t-butyl ether (MtBE)	1634-04-4	N	0.06	U	µg/L	5	0.06
		SW8260	Methylene Chloride	75-09-2	N	0.07	U	µg/L	1	0.07
		SW8260	MIBK (methyl isobutyl ketone)	108-10-1	N	0.2	U	µg/L	10	0.2
		SW8260	Naphthalene	91-20-3	N	0.07	U	µg/L	1	0.07
		SW8260	n-Butylbenzene	104-51-8	N	0.06	U	µg/L	1	0.06
		SW8260	n-Propylbenzene	103-65-1	N	0.05	U	µg/L	1	0.05
		SW8260	o-Xylene	95-47-6	N	0.06	U	µg/L	1	0.06
		SW8260	p-Isopropyltoluene	99-87-6	N	0.04	U	µg/L	1	0.04
		SW8260	sec-Butylbenzene	135-98-8	N	0.06	U	µg/L	1	0.06
		SW8260	Styrene	100-42-5	N	0.05	U	µg/L	1	0.05

**ATTACHMENT B2**

Summary of Site 10 EISB Treatment System Analytical Data, First Quarter 2005

*LTO&M First Quarter 2005 Report, Beale Air Force Base, California – Site 10 EISB Treatment System Monitoring Data*

Sample Location	Sample Date	Method	Analyte	CAS No.	QA/QC Type	Result	Flag	Units	Reporting Limit	Method Detection Limit
<b>Site 10 EISB Treatment System – Performance Monitoring Well Results</b>										
10M006MW	3/22/2005	SW8260	TCE	79-01-6	N	139		µg/L	50	3.57
		SW8260	Tert-Butylbenzene	98-06-6	N	0.06	U	µg/L	1	0.06
		SW8260	Tetrachloroethylene	127-18-4	N	1.76		µg/L	1	0.08
		SW8260	Toluene	108-88-3	N	0.06	U	µg/L	1	0.06
		SW8260	trans-1,2-DCE	156-60-5	N	0.12	F	µg/L	1	0.07
		SW8260	trans-1,3-Dichloropropene	10061-02-6	N	0.05	U	µg/L	1	0.05
		SW8260	Trichlorofluoromethane	75-69-4	N	0.06	U	µg/L	1	0.06
		SW8260	Vinyl Chloride	75-01-4	N	0.09	U	µg/L	1	0.09
		SW9030	Sulfide	SULFIDE	N	1.8	F	mg/L	2	0.97
		SW9056	Chloride	CHLORIDE	N	2.68		mg/L	1	0.011
		SW9056	Nitrate-N	NITRATE	N	2.44		mg/L	1	0.0022
		SW9056	Nitrite-N	NITRITE	N	0.0058	U	mg/L	1	0.0058
		SW9056	Phosphate	Phosphate	N	0.051	F	mg/L	1	0.013
		SW9056	Sulfate	SULFATE	N	4.1		mg/L	1	0.008

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Summary of Site 10 EISB Treatment System Analytical Data, First Quarter 2005

LTO&M First Quarter 2005 Report, Beale Air Force Base, California – Site 10 EISB Treatment System Monitoring Data

Sample Location	Sample Date	Method	Analyte	CAS No.	QA/QC Type	Result	Flag	Units	Reporting Limit	Method Detection Limit
<b>Site 10 EISB Treatment System – Extraction Well Results</b>										
10C030RW	1/19/2005	E300.0M	Acetic Acid	64-19-7	N	0.021	U	mg/L	0.1	0.021
		E300.0M	Lactic Acid	50-21-5	N	0.0083	U	mg/L	0.1	0.0083
		E300.0M	Propionic Acid	79-09-4	N	0.01	U	mg/L	0.1	0.01
		RSK-175	Ethane	74-84-0	N	0.038	U	µg/L	0.91	0.038
		RSK-175	Ethene	74-85-1	N	0.038	U	µg/L	0.91	0.038
		RSK-175	Methane	74-82-8	N	0.21	F	µg/L	0.69	0.022
		SW8260	1,1,1,2-Tetrachloroethane	630-20-6	N	0.09	U	µg/L	0.5	0.09
		SW8260	1,1,1-TCA	71-55-6	N	0.11	U	µg/L	1	0.11
		SW8260	1,1,2,2-Tetrachloroethane	79-34-5	N	0.11	U	µg/L	0.5	0.11
		SW8260	1,1,2-TCA	79-00-5	N	0.14	U	µg/L	1	0.14
		SW8260	1,1-DCA	75-34-3	N	0.13	U	µg/L	1	0.13
		SW8260	1,1-DCE	75-35-4	N	0.13	U	µg/L	1	0.13
		SW8260	1,1-Dichloropropene	563-58-6	N	0.07	U	µg/L	1	0.07
		SW8260	1,2,3-Trichlorobenzene	87-61-6	N	0.07	U	µg/L	1	0.07
		SW8260	1,2,3-Trichloropropane	96-18-4	N	0.11	U	µg/L	1	0.11
		SW8260	1,2,4-Trichlorobenzene	120-82-1	N	0.08	U	µg/L	1	0.08
		SW8260	1,2,4-Trimethylbenzene	95-63-6	N	0.07	U	µg/L	1	0.07
		SW8260	1,2-DCA	107-06-2	N	0.1	U	µg/L	0.5	0.1
		SW8260	1,2-DCB	95-50-1	N	0.11	U	µg/L	1	0.11
		SW8260	1,2-Dibromo-3-chloropropane	96-12-8	N	0.12	U	µg/L	2	0.12
		SW8260	1,2-Dichloropropane	78-87-5	N	0.12	U	µg/L	1	0.12
		SW8260	1,2-EDB	106-93-4	N	0.09	U	µg/L	1	0.09
		SW8260	1,3,5-Trimethylbenzene	108-67-8	N	0.08	U	µg/L	1	0.08
		SW8260	1,3-DCB	541-73-1	N	0.1	U	µg/L	1	0.1
		SW8260	1,3-Dichloropropane	142-28-9	N	0.09	U	µg/L	0.4	0.09
		SW8260	1,4-DCB	106-46-7	N	0.13	U	µg/L	0.5	0.13
		SW8260	1-Chlorohexane	544-10-5	N	0.06	U	µg/L	1	0.06
		SW8260	2,2-Dichloropropane	594-20-7	N	0.12	U	µg/L	1	0.12
		SW8260	2-Chlorotoluene	95-49-8	N	0.08	U	µg/L	1	0.08
		SW8260	4-Chlorotoluene	106-43-4	N	0.07	U	µg/L	1	0.07
		SW8260	Acetone	67-64-1	N	1.8	F	µg/L	10	0.6
		SW8260	Benzene	71-43-2	N	0.07	U	µg/L	0.4	0.07
		SW8260	Bromobenzene	108-86-1	N	0.11	U	µg/L	1	0.11

**ATTACHMENT B2**

Summary of Site 10 EISB Treatment System Analytical Data, First Quarter 2005

LTO&M First Quarter 2005 Report, Beale Air Force Base, California – Site 10 EISB Treatment System Monitoring Data

Sample Location	Sample Date	Method	Analyte	CAS No.	QA/QC Type	Result	Flag	Units	Reporting Limit	Method Detection Limit
<b>Site 10 EISB Treatment System – Extraction Well Results</b>										
10C030RW	1/19/2005	SW8260	Bromochloromethane	74-97-5	N	0.13	U	µg/L	1	0.13
		SW8260	Bromodichloromethane	75-27-4	N	0.12	U	µg/L	0.5	0.12
		SW8260	Bromoform	75-25-2	N	0.08	U	µg/L	1	0.08
		SW8260	Bromomethane	74-83-9	N	0.23	U	µg/L	3	0.23
		SW8260	Carbon Tetrachloride	56-23-5	N	0.08	U	µg/L	1	0.08
		SW8260	Chlorobenzene	108-90-7	N	0.12	U	µg/L	0.5	0.12
		SW8260	Chloroethane	75-00-3	N	0.2	U	µg/L	1	0.2
		SW8260	Chloroform	67-66-3	N	0.56		µg/L	0.3	0.13
		SW8260	Chloromethane	74-87-3	N	0.15	U	µg/L	1	0.15
		SW8260	cis-1,2-DCE	156-59-2	N	393		µg/L	50	4.76
		SW8260	cis-1,3-Dichloropropene	10061-01-5	N	0.1	U	µg/L	0.5	0.1
		SW8260	Dibromochloromethane	124-48-1	N	0.09	U	µg/L	0.5	0.09
		SW8260	Dibromomethane	74-95-3	N	0.11	U	µg/L	1	0.11
		SW8260	Dichlorodifluoromethane	75-71-8	N	0.13	U	µg/L	1	0.13
		SW8260	Ethylbenzene	100-41-4	N	0.08	U	µg/L	1	0.08
		SW8260	Hexachlorobutadiene	87-68-3	N	0.09	U	µg/L	0.6	0.09
		SW8260	Isopropylbenzene	98-82-8	N	0.08	U	µg/L	1	0.08
		SW8260	m,p-Xylene	108-38-3/1	N	0.14	U	µg/L	2	0.14
		SW8260	MEK (2-Butanone)	78-93-3	N	0.2	U	µg/L	10	0.2
		SW8260	Methyl t-butyl ether (MtBE)	1634-04-4	N	0.15	U	µg/L	5	0.15
		SW8260	Methylene Chloride	75-09-2	N	0.2	U	µg/L	1	0.2
		SW8260	MIBK (methyl isobutyl ketone)	108-10-1	N	0.1	U	µg/L	10	0.1
		SW8260	Naphthalene	91-20-3	N	0.05	U	µg/L	1	0.05
		SW8260	n-Butylbenzene	104-51-8	N	0.09	U	µg/L	1	0.09
		SW8260	n-Propylbenzene	103-65-1	N	0.08	U	µg/L	1	0.08
		SW8260	o-Xylene	95-47-6	N	0.09	U	µg/L	1	0.09
		SW8260	p-Isopropyltoluene	99-87-6	N	0.09	U	µg/L	1	0.09
		SW8260	sec-Butylbenzene	135-98-8	N	0.07	U	µg/L	1	0.07
		SW8260	Styrene	100-42-5	N	0.08	U	µg/L	1	0.08
		SW8260	TCE	79-01-6	N	180		µg/L	50	4.93
		SW8260	Tert-Butylbenzene	98-06-6	N	0.07	U	µg/L	1	0.07
		SW8260	Tetrachloroethylene	127-18-4	N	7		µg/L	1	0.07
		SW8260	Toluene	108-88-3	N	0.08	U	µg/L	1	0.08

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Summary of Site 10 EISB Treatment System Analytical Data, First Quarter 2005

LTO&M First Quarter 2005 Report, Beale Air Force Base, California – Site 10 EISB Treatment System Monitoring Data

Sample Location	Sample Date	Method	Analyte	CAS No.	QA/QC Type	Result	Flag	Units	Reporting Limit	Method Detection Limit
<b>Site 10 EISB Treatment System – Extraction Well Results</b>										
10C030RW	1/19/2005	SW8260	trans-1,2-DCE	156-60-5	N	1.16		µg/L	1	0.09
		SW8260	trans-1,3-Dichloropropene	10061-02-6	N	0.07	U	µg/L	1	0.07
		SW8260	Trichlorofluoromethane	75-69-4	N	0.17	U	µg/L	1	0.17
		SW8260	Vinyl Chloride	75-01-4	N	0.21	U	µg/L	1	0.21
	3/23/2005	E300.0M	Acetic Acid	64-19-7	N	0.0077	U	mg/L	0.1	0.0077
		E300.0M	Lactic Acid	50-21-5	N	0.011	U	mg/L	0.1	0.011
		E300.0M	Propionic Acid	79-09-4	N	0.0091	U	mg/L	0.1	0.0091
		RSK-175	Ethane	74-84-0	N	0.036	U	µg/L	0.87	0.036
		RSK-175	Ethene	74-85-1	N	0.036	U	µg/L	0.88	0.036
		RSK-175	Methane	74-82-8	N	0.19	F	µg/L	0.65	0.021
		SW8260	1,1,1,2-Tetrachloroethane	630-20-6	N	0.06	U	µg/L	0.5	0.06
		SW8260	1,1,1-TCA	71-55-6	N	0.08	U	µg/L	1	0.08
		SW8260	1,1,2,2-Tetrachloroethane	79-34-5	N	0.06	U	µg/L	0.5	0.06
		SW8260	1,1,2-TCA	79-00-5	N	0.07	U	µg/L	1	0.07
		SW8260	1,1-DCA	75-34-3	N	0.06	U	µg/L	1	0.06
		SW8260	1,1-DCE	75-35-4	N	0.07	U	µg/L	1	0.07
		SW8260	1,1-Dichloropropene	563-58-6	N	0.05	U	µg/L	1	0.05
		SW8260	1,2,3-Trichlorobenzene	87-61-6	N	0.09	U	µg/L	1	0.09
		SW8260	1,2,3-Trichloropropane	96-18-4	N	0.08	U	µg/L	1	0.08
		SW8260	1,2,4-Trichlorobenzene	120-82-1	N	0.06	U	µg/L	1	0.06
		SW8260	1,2,4-Trimethylbenzene	95-63-6	N	0.05	U	µg/L	1	0.05
		SW8260	1,2-DCA	107-06-2	N	0.09	U	µg/L	0.5	0.09
		SW8260	1,2-DCB	95-50-1	N	0.06	U	µg/L	1	0.06
		SW8260	1,2-Dibromo-3-chloropropane	96-12-8	N	0.12	U	µg/L	2	0.12
		SW8260	1,2-Dichloropropane	78-87-5	N	0.04	U	µg/L	1	0.04
		SW8260	1,2-EDB	106-93-4	N	0.07	U	µg/L	1	0.07
		SW8260	1,3,5-Trimethylbenzene	108-67-8	N	0.06	U	µg/L	1	0.06
		SW8260	1,3-DCB	541-73-1	N	0.06	U	µg/L	1	0.06
		SW8260	1,3-Dichloropropane	142-28-9	N	0.05	U	µg/L	0.4	0.05
		SW8260	1,4-DCB	106-46-7	N	0.07	U	µg/L	0.5	0.07
		SW8260	1-Chlorohexane	544-10-5	N	0.06	U	µg/L	1	0.06
		SW8260	2,2-Dichloropropane	594-20-7	N	0.09	U	µg/L	1	0.09
		SW8260	2-Chlorotoluene	95-49-8	N	0.06	U	µg/L	1	0.06

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Summary of Site 10 EISB Treatment System Analytical Data, First Quarter 2005

LTO&M First Quarter 2005 Report, Beale Air Force Base, California – Site 10 EISB Treatment System Monitoring Data

Sample Location	Sample Date	Method	Analyte	CAS No.	QA/QC Type	Result	Flag	Units	Reporting Limit	Method Detection Limit
<b>Site 10 EISB Treatment System – Extraction Well Results</b>										
10C030RW	3/23/2005	SW8260	4-Chlorotoluene	106-43-4	N	0.06	U	µg/L	1	0.06
		SW8260	Acetone	67-64-1	N	0.5	U	µg/L	10	0.5
		SW8260	Benzene	71-43-2	N	0.06	U	µg/L	0.4	0.06
		SW8260	Bromobenzene	108-86-1	N	0.07	U	µg/L	1	0.07
		SW8260	Bromochloromethane	74-97-5	N	0.09	U	µg/L	1	0.09
		SW8260	Bromodichloromethane	75-27-4	N	0.07	U	µg/L	0.5	0.07
		SW8260	Bromoform	75-25-2	N	0.08	U	µg/L	1	0.08
		SW8260	Bromomethane	74-83-9	N	0.1	U	µg/L	3	0.1
		SW8260	Carbon Tetrachloride	56-23-5	N	0.06	U	µg/L	1	0.06
		SW8260	Chlorobenzene	108-90-7	N	0.07	U	µg/L	0.5	0.07
		SW8260	Chloroethane	75-00-3	N	0.03	U	µg/L	1	0.03
		SW8260	Chloroform	67-66-3	N	0.59		µg/L	0.3	0.09
		SW8260	Chloromethane	74-87-3	N	0.04	U	µg/L	1	0.04
		SW8260	cis-1,2-DCE	156-59-2	N	323		µg/L	50	2.87
		SW8260	cis-1,3-Dichloropropene	10061-01-5	N	0.07	U	µg/L	0.5	0.07
		SW8260	Dibromochloromethane	124-48-1	N	0.03	U	µg/L	0.5	0.03
		SW8260	Dibromomethane	74-95-3	N	0.09	U	µg/L	1	0.09
		SW8260	Dichlorodifluoromethane	75-71-8	N	0.05	U	µg/L	1	0.05
		SW8260	Ethylbenzene	100-41-4	N	0.06	U	µg/L	1	0.06
		SW8260	Hexachlorobutadiene	87-68-3	N	0.07	U	µg/L	0.6	0.07
		SW8260	Isopropylbenzene	98-82-8	N	0.05	U	µg/L	1	0.05
		SW8260	m,p-Xylene	108-38-3/1	N	0.1	U	µg/L	2	0.1
		SW8260	MEK (2-Butanone)	78-93-3	N	0.3	U	µg/L	10	0.3
		SW8260	Methyl t-butyl ether (MtBE)	1634-04-4	N	0.06	U	µg/L	5	0.06
		SW8260	Methylene Chloride	75-09-2	N	0.07	U	µg/L	1	0.07
		SW8260	MIBK (methyl isobutyl ketone)	108-10-1	N	0.2	U	µg/L	10	0.2
		SW8260	Naphthalene	91-20-3	N	0.07	U	µg/L	1	0.07
		SW8260	n-Butylbenzene	104-51-8	N	0.06	U	µg/L	1	0.06
		SW8260	n-Propylbenzene	103-65-1	N	0.05	U	µg/L	1	0.05
		SW8260	o-Xylene	95-47-6	N	0.06	U	µg/L	1	0.06
		SW8260	p-Isopropyltoluene	99-87-6	N	0.04	U	µg/L	1	0.04
		SW8260	sec-Butylbenzene	135-98-8	N	0.06	U	µg/L	1	0.06
		SW8260	Styrene	100-42-5	N	0.05	U	µg/L	1	0.05

**ATTACHMENT B2**

Summary of Site 10 EISB Treatment System Analytical Data, First Quarter 2005

LTO&M First Quarter 2005 Report, Beale Air Force Base, California – Site 10 EISB Treatment System Monitoring Data

Sample Location	Sample Date	Method	Analyte	CAS No.	QA/QC Type	Result	Flag	Units	Reporting Limit	Method Detection Limit
<b>Site 10 EISB Treatment System – Extraction Well Results</b>										
10C030RW	3/23/2005	SW8260	TCE	79-01-6	N	212		µg/L	50	3.57
		SW8260	Tert-Butylbenzene	98-06-6	N	0.06	U	µg/L	1	0.06
		SW8260	Tetrachloroethylene	127-18-4	N	15.3		µg/L	1	0.08
		SW8260	Toluene	108-88-3	N	0.06	U	µg/L	1	0.06
		SW8260	trans-1,2-DCE	156-60-5	N	2.04		µg/L	1	0.07
		SW8260	trans-1,3-Dichloropropene	10061-02-6	N	0.05	U	µg/L	1	0.05
		SW8260	Trichlorofluoromethane	75-69-4	N	0.06	U	µg/L	1	0.06
		SW8260	Vinyl Chloride	75-01-4	N	0.09	U	µg/L	1	0.09
10C031RW	1/19/2005	E300.0M	Acetic Acid	64-19-7	N	0.021	U	mg/L	0.1	0.021
		E300.0M	Lactic Acid	50-21-5	N	0.0083	U	mg/L	0.1	0.0083
		E300.0M	Propionic Acid	79-09-4	N	0.01	U	mg/L	0.1	0.01
		RSK-175	Ethane	74-84-0	N	0.034	U	µg/L	0.82	0.034
		RSK-175	Ethene	74-85-1	N	0.034	U	µg/L	0.83	0.034
		RSK-175	Methane	74-82-8	N	0.25	F	µg/L	0.62	0.02
		SW6010	Iron, dissolved	7439-89-6_D	N	0.019	F	mg/L	0.2	0.005
		SW6010	Manganese, dissolved	7439-96-5_D	N	0.0022	F	mg/L	0.01	0.0003
		SW8260	1,1,1,2-Tetrachloroethane	630-20-6	N	0.57	U	µg/L	5	0.57
		SW8260	1,1,1-TCA	71-55-6	N	0.77	U	µg/L	10	0.77
		SW8260	1,1,2,2-Tetrachloroethane	79-34-5	N	0.57	U	µg/L	5	0.57
		SW8260	1,1,2-TCA	79-00-5	N	0.73	U	µg/L	10	0.73
		SW8260	1,1-DCA	75-34-3	N	0.59	U	µg/L	10	0.59
		SW8260	1,1-DCE	75-35-4	N	0.75	U	µg/L	10	0.75
		SW8260	1,1-Dichloropropene	563-58-6	N	0.54	U	µg/L	10	0.54
		SW8260	1,2,3-Trichlorobenzene	87-61-6	N	0.89	U	µg/L	10	0.89
		SW8260	1,2,3-Trichloropropane	96-18-4	N	0.77	U	µg/L	10	0.77
		SW8260	1,2,4-Trichlorobenzene	120-82-1	N	0.65	U	µg/L	10	0.65
		SW8260	1,2,4-Trimethylbenzene	95-63-6	N	0.46	U	µg/L	10	0.46
		SW8260	1,2-DCA	107-06-2	N	0.87	U	µg/L	5	0.87
		SW8260	1,2-DCB	95-50-1	N	0.6	U	µg/L	10	0.6
		SW8260	1,2-Dibromo-3-chloropropane	96-12-8	N	1.17	U	µg/L	20	1.17
		SW8260	1,2-Dichloropropane	78-87-5	N	0.4	U	µg/L	10	0.4
		SW8260	1,2-EDB	106-93-4	N	0.75	U	µg/L	10	0.75
		SW8260	1,3,5-Trimethylbenzene	108-67-8	N	0.59	U	µg/L	10	0.59

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Summary of Site 10 EISB Treatment System Analytical Data, First Quarter 2005

LTO&M First Quarter 2005 Report, Beale Air Force Base, California – Site 10 EISB Treatment System Monitoring Data

Sample Location	Sample Date	Method	Analyte	CAS No.	QA/QC Type	Result	Flag	Units	Reporting Limit	Method Detection Limit
<b>Site 10 EISB Treatment System – Extraction Well Results</b>										
10C031RW	1/19/2005	SW8260	1,3-DCB	541-73-1	N	0.65	U	µg/L	10	0.65
		SW8260	1,3-Dichloropropane	142-28-9	N	0.5	U	µg/L	4	0.5
		SW8260	1,4-DCB	106-46-7	N	0.68	U	µg/L	5	0.68
		SW8260	1-Chlorohexane	544-10-5	N	0.57	U	µg/L	10	0.57
		SW8260	2,2-Dichloropropane	594-20-7	N	0.91	U	µg/L	10	0.91
		SW8260	2-Chlorotoluene	95-49-8	N	0.56	U	µg/L	10	0.56
		SW8260	4-Chlorotoluene	106-43-4	N	0.59	U	µg/L	10	0.59
		SW8260	Acetone	67-64-1	N	4.7	U	µg/L	100	4.7
		SW8260	Benzene	71-43-2	N	0.62	U	µg/L	4	0.62
		SW8260	Bromobenzene	108-86-1	N	0.74	U	µg/L	10	0.74
		SW8260	Bromochloromethane	74-97-5	N	0.92	U	µg/L	10	0.92
		SW8260	Bromodichloromethane	75-27-4	N	0.72	U	µg/L	5	0.72
		SW8260	Bromoform	75-25-2	N	0.83	U	µg/L	10	0.83
		SW8260	Bromomethane	74-83-9	N	1.02	U	µg/L	30	1.02
		SW8260	Carbon Tetrachloride	56-23-5	N	0.56	U	µg/L	10	0.56
		SW8260	Chlorobenzene	108-90-7	N	0.7	U	µg/L	5	0.7
		SW8260	Chloroethane	75-00-3	N	0.31	U	µg/L	10	0.31
		SW8260	Chloroform	67-66-3	N	1.38	F	µg/L	3	0.87
		SW8260	Chloromethane	74-87-3	N	0.41	U	µg/L	10	0.41
		SW8260	cis-1,2-DCE	156-59-2	N	107		µg/L	10	0.57
		SW8260	cis-1,3-Dichloropropene	10061-01-5	N	0.7	U	µg/L	5	0.7
		SW8260	Dibromochloromethane	124-48-1	N	0.31	U	µg/L	5	0.31
		SW8260	Dibromomethane	74-95-3	N	0.85	U	µg/L	10	0.85
		SW8260	Dichlorodifluoromethane	75-71-8	N	0.54	U	µg/L	10	0.54
		SW8260	Ethylbenzene	100-41-4	N	0.56	U	µg/L	10	0.56
		SW8260	Hexachlorobutadiene	87-68-3	N	0.75	U	µg/L	6	0.75
		SW8260	Isopropylbenzene	98-82-8	N	0.5	U	µg/L	10	0.5
		SW8260	m,p-Xylene	108-38-3/1	N	0.99	U	µg/L	20	0.99
		SW8260	MEK (2-Butanone)	78-93-3	N	2.9	U	µg/L	100	2.9
		SW8260	Methyl t-butyl ether (MtBE)	1634-04-4	N	0.57	U	µg/L	50	0.57
		SW8260	Methylene Chloride	75-09-2	N	0.67	U	µg/L	10	0.67
		SW8260	MIBK (methyl isobutyl ketone)	108-10-1	N	1.9	U	µg/L	100	1.9
		SW8260	Naphthalene	91-20-3	N	0.66	U	µg/L	10	0.66

**ATTACHMENT B2**

Summary of Site 10 EISB Treatment System Analytical Data, First Quarter 2005

LTO&M First Quarter 2005 Report, Beale Air Force Base, California – Site 10 EISB Treatment System Monitoring Data

Sample Location	Sample Date	Method	Analyte	CAS No.	QA/QC Type	Result	Flag	Units	Reporting Limit	Method Detection Limit
<b>Site 10 EISB Treatment System – Extraction Well Results</b>										
10C031RW	1/19/2005	SW8260	n-Butylbenzene	104-51-8	N	0.6	U	µg/L	10	0.6
		SW8260	n-Propylbenzene	103-65-1	N	0.5	U	µg/L	10	0.5
		SW8260	o-Xylene	95-47-6	N	0.6	U	µg/L	10	0.6
		SW8260	p-Isopropyltoluene	99-87-6	N	0.42	U	µg/L	10	0.42
		SW8260	sec-Butylbenzene	135-98-8	N	0.57	U	µg/L	10	0.57
		SW8260	Styrene	100-42-5	N	0.5	U	µg/L	10	0.5
		SW8260	TCE	79-01-6	N	3340		µg/L	100	7.14
		SW8260	Tert-Butylbenzene	98-06-6	N	0.57	U	µg/L	10	0.57
		SW8260	Tetrachloroethylene	127-18-4	N	231		µg/L	10	0.77
		SW8260	Toluene	108-88-3	N	0.57	U	µg/L	10	0.57
		SW8260	trans-1,2-DCE	156-60-5	N	0.73	U	µg/L	10	0.73
		SW8260	trans-1,3-Dichloropropene	10061-02-6	N	0.54	U	µg/L	10	0.54
		SW8260	Trichlorofluoromethane	75-69-4	N	0.65	U	µg/L	10	0.65
		SW8260	Vinyl Chloride	75-01-4	N	0.94	U	µg/L	10	0.94
		SW9056	Chloride	CHLORIDE	N	12		mg/L	2	0.023
		SW9056	Nitrate-N	NITRATE	N	1.88		mg/L	1	0.0022
		SW9056	Phosphate	Phosphate	N	0.036	F	mg/L	1	0.013
		SW9056	Sulfate	SULFATE	N	6.98		mg/L	1	0.008
	3/23/2005	E300.0M	Acetic Acid	64-19-7	N	0.0077	U	mg/L	0.1	0.0077
		E300.0M	Lactic Acid	50-21-5	N	0.011	U	mg/L	0.1	0.011
		E300.0M	Propionic Acid	79-09-4	N	0.0091	U	mg/L	0.1	0.0091
		RSK-175	Ethane	74-84-0	N	0.037	U	µg/L	0.88	0.037
		RSK-175	Ethene	74-85-1	N	0.037	U	µg/L	0.89	0.037
		RSK-175	Methane	74-82-8	N	0.22	F	µg/L	0.66	0.021
		SW8260	1,1,1,2-Tetrachloroethane	630-20-6	N	0.57	U	µg/L	5	0.57
		SW8260	1,1,1,1-TCA	71-55-6	N	0.77	U	µg/L	10	0.77
		SW8260	1,1,2,2-Tetrachloroethane	79-34-5	N	0.57	U	µg/L	5	0.57
		SW8260	1,1,2-TCA	79-00-5	N	0.73	U	µg/L	10	0.73
		SW8260	1,1-DCA	75-34-3	N	0.59	U	µg/L	10	0.59
		SW8260	1,1-DCE	75-35-4	N	0.75	U	µg/L	10	0.75
		SW8260	1,1-Dichloropropene	563-58-6	N	0.54	U	µg/L	10	0.54
		SW8260	1,2,3-Trichlorobenzene	87-61-6	N	0.89	U	µg/L	10	0.89
		SW8260	1,2,3-Trichloropropane	96-18-4	N	0.77	U	µg/L	10	0.77

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Summary of Site 10 EISB Treatment System Analytical Data, First Quarter 2005

LTO&M First Quarter 2005 Report, Beale Air Force Base, California – Site 10 EISB Treatment System Monitoring Data

Sample Location	Sample Date	Method	Analyte	CAS No.	QA/QC Type	Result	Flag	Units	Reporting Limit	Method Detection Limit
<b>Site 10 EISB Treatment System – Extraction Well Results</b>										
10C031RW	3/23/2005	SW8260	1,2,4-Trichlorobenzene	120-82-1	N	0.65	U	µg/L	10	0.65
		SW8260	1,2,4-Trimethylbenzene	95-63-6	N	0.46	U	µg/L	10	0.46
		SW8260	1,2-DCA	107-06-2	N	0.87	U	µg/L	5	0.87
		SW8260	1,2-DCB	95-50-1	N	0.6	U	µg/L	10	0.6
		SW8260	1,2-Dibromo-3-chloropropane	96-12-8	N	1.17	U	µg/L	20	1.17
		SW8260	1,2-Dichloropropane	78-87-5	N	0.4	U	µg/L	10	0.4
		SW8260	1,2-EDB	106-93-4	N	0.75	U	µg/L	10	0.75
		SW8260	1,3,5-Trimethylbenzene	108-67-8	N	0.59	U	µg/L	10	0.59
		SW8260	1,3-DCB	541-73-1	N	0.65	U	µg/L	10	0.65
		SW8260	1,3-Dichloropropane	142-28-9	N	0.5	U	µg/L	4	0.5
		SW8260	1,4-DCB	106-46-7	N	0.68	U	µg/L	5	0.68
		SW8260	1-Chlorohexane	544-10-5	N	0.57	U	µg/L	10	0.57
		SW8260	2,2-Dichloropropane	594-20-7	N	0.91	U	µg/L	10	0.91
		SW8260	2-Chlorotoluene	95-49-8	N	0.56	U	µg/L	10	0.56
		SW8260	4-Chlorotoluene	106-43-4	N	0.59	U	µg/L	10	0.59
		SW8260	Acetone	67-64-1	N	4.7	U	µg/L	100	4.7
		SW8260	Benzene	71-43-2	N	0.62	U	µg/L	4	0.62
		SW8260	Bromobenzene	108-86-1	N	0.74	U	µg/L	10	0.74
		SW8260	Bromochloromethane	74-97-5	N	0.92	U	µg/L	10	0.92
		SW8260	Bromodichloromethane	75-27-4	N	0.72	U	µg/L	5	0.72
		SW8260	Bromoform	75-25-2	N	0.83	U	µg/L	10	0.83
		SW8260	Bromomethane	74-83-9	N	1.02	U	µg/L	30	1.02
		SW8260	Carbon Tetrachloride	56-23-5	N	0.56	U	µg/L	10	0.56
		SW8260	Chlorobenzene	108-90-7	N	0.7	U	µg/L	5	0.7
		SW8260	Chloroethane	75-00-3	N	0.31	U	µg/L	10	0.31
		SW8260	Chloroform	67-66-3	N	0.87	U	µg/L	3	0.87
		SW8260	Chloromethane	74-87-3	N	0.41	U	µg/L	10	0.41
		SW8260	cis-1,2-DCE	156-59-2	N	176		µg/L	10	0.57
		SW8260	cis-1,3-Dichloropropene	10061-01-5	N	0.7	U	µg/L	5	0.7
		SW8260	Dibromochloromethane	124-48-1	N	0.31	U	µg/L	5	0.31
		SW8260	Dibromomethane	74-95-3	N	0.85	U	µg/L	10	0.85
		SW8260	Dichlorodifluoromethane	75-71-8	N	0.54	U	µg/L	10	0.54
		SW8260	Ethylbenzene	100-41-4	N	0.56	U	µg/L	10	0.56

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Summary of Site 10 EISB Treatment System Analytical Data, First Quarter 2005

LTO&M First Quarter 2005 Report, Beale Air Force Base, California – Site 10 EISB Treatment System Monitoring Data

Sample Location	Sample Date	Method	Analyte	CAS No.	QA/QC Type	Result	Flag	Units	Reporting Limit	Method Detection Limit
<b>Site 10 EISB Treatment System – Extraction Well Results</b>										
10C031RW	3/23/2005	SW8260	Hexachlorobutadiene	87-68-3	N	0.75	U	µg/L	6	0.75
		SW8260	Isopropylbenzene	98-82-8	N	0.5	U	µg/L	10	0.5
		SW8260	m,p-Xylene	108-38-3/1	N	0.99	U	µg/L	20	0.99
		SW8260	MEK (2-Butanone)	78-93-3	N	2.9	U	µg/L	100	2.9
		SW8260	Methyl t-butyl ether (MtBE)	1634-04-4	N	0.57	U	µg/L	50	0.57
		SW8260	Methylene Chloride	75-09-2	N	0.67	U	µg/L	10	0.67
		SW8260	MIBK (methyl isobutyl ketone)	108-10-1	N	1.9	U	µg/L	100	1.9
		SW8260	Naphthalene	91-20-3	N	0.66	U	µg/L	10	0.66
		SW8260	n-Butylbenzene	104-51-8	N	0.6	U	µg/L	10	0.6
		SW8260	n-Propylbenzene	103-65-1	N	0.5	U	µg/L	10	0.5
		SW8260	o-Xylene	95-47-6	N	0.6	U	µg/L	10	0.6
		SW8260	p-Isopropyltoluene	99-87-6	N	0.42	U	µg/L	10	0.42
		SW8260	sec-Butylbenzene	135-98-8	N	0.57	U	µg/L	10	0.57
		SW8260	Styrene	100-42-5	N	0.5	U	µg/L	10	0.5
		SW8260	TCE	79-01-6	N	2920		µg/L	50	3.57
		SW8260	Tert-Butylbenzene	98-06-6	N	0.57	U	µg/L	10	0.57
		SW8260	Tetrachloroethylene	127-18-4	N	190		µg/L	10	0.77
		SW8260	Toluene	108-88-3	N	0.57	U	µg/L	10	0.57
		SW8260	trans-1,2-DCE	156-60-5	N	0.73	U	µg/L	10	0.73
		SW8260	trans-1,3-Dichloropropene	10061-02-6	N	0.54	U	µg/L	10	0.54
		SW8260	Trichlorofluoromethane	75-69-4	N	0.65	U	µg/L	10	0.65
		SW8260	Vinyl Chloride	75-01-4	N	0.94	U	µg/L	10	0.94
10C032RW	1/19/2005	E300.0M	Acetic Acid	64-19-7	N	0.021	U	mg/L	0.1	0.021
		E300.0M	Lactic Acid	50-21-5	N	0.0083	U	mg/L	0.1	0.0083
		E300.0M	Propionic Acid	79-09-4	N	0.01	U	mg/L	0.1	0.01
		RSK-175	Ethane	74-84-0	N	0.064	F	µg/L	0.78	0.032
		RSK-175	Ethene	74-85-1	N	0.033	U	µg/L	0.79	0.033
		RSK-175	Methane	74-82-8	N	0.34	F	µg/L	0.59	0.019
		SW6010	Iron, dissolved	7439-89-6_D	N	0.011	F	mg/L	0.2	0.005
		SW6010	Manganese, dissolved	7439-96-5_D	N	0.0049	F	mg/L	0.01	0.0003
		SW8260	1,1,1,2-Tetrachloroethane	630-20-6	N	0.92	U	µg/L	5	0.92
		SW8260	1,1,1-TCA	71-55-6	N	1.06	U	µg/L	10	1.06
		SW8260	1,1,2,2-Tetrachloroethane	79-34-5	N	1.14	U	µg/L	5	1.14

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Summary of Site 10 EISB Treatment System Analytical Data, First Quarter 2005

LTO&M First Quarter 2005 Report, Beale Air Force Base, California – Site 10 EISB Treatment System Monitoring Data

Sample Location	Sample Date	Method	Analyte	CAS No.	QA/QC Type	Result	Flag	Units	Reporting Limit	Method Detection Limit
<b>Site 10 EISB Treatment System – Extraction Well Results</b>										
10C032RW	1/19/2005	SW8260	1,1,2-TCA	79-00-5	N	1.37	U	µg/L	10	1.37
		SW8260	1,1-DCA	75-34-3	N	1.32	U	µg/L	10	1.32
		SW8260	1,1-DCE	75-35-4	N	1.25	U	µg/L	10	1.25
		SW8260	1,1-Dichloropropene	563-58-6	N	0.7	U	µg/L	10	0.7
		SW8260	1,2,3-Trichlorobenzene	87-61-6	N	0.75	U	µg/L	10	0.75
		SW8260	1,2,3-Trichloropropane	96-18-4	N	1.09	U	µg/L	10	1.09
		SW8260	1,2,4-Trichlorobenzene	120-82-1	N	0.78	U	µg/L	10	0.78
		SW8260	1,2,4-Trimethylbenzene	95-63-6	N	0.73	U	µg/L	10	0.73
		SW8260	1,2-DCA	107-06-2	N	1.01	U	µg/L	5	1.01
		SW8260	1,2-DCB	95-50-1	N	1.07	U	µg/L	10	1.07
		SW8260	1,2-Dibromo-3-chloropropane	96-12-8	N	1.16	U	µg/L	20	1.16
		SW8260	1,2-Dichloropropane	78-87-5	N	1.19	U	µg/L	10	1.19
		SW8260	1,2-EDB	106-93-4	N	0.86	U	µg/L	10	0.86
		SW8260	1,3,5-Trimethylbenzene	108-67-8	N	0.85	U	µg/L	10	0.85
		SW8260	1,3-DCB	541-73-1	N	1.03	U	µg/L	10	1.03
		SW8260	1,3-Dichloropropane	142-28-9	N	0.87	U	µg/L	4	0.87
		SW8260	1,4-DCB	106-46-7	N	1.33	U	µg/L	5	1.33
		SW8260	1-Chlorohexane	544-10-5	N	0.63	U	µg/L	10	0.63
		SW8260	2,2-Dichloropropane	594-20-7	N	1.16	U	µg/L	10	1.16
		SW8260	2-Chlorotoluene	95-49-8	N	0.83	U	µg/L	10	0.83
		SW8260	4-Chlorotoluene	106-43-4	N	0.74	U	µg/L	10	0.74
		SW8260	Acetone	67-64-1	N	6.4	U	µg/L	100	6.4
		SW8260	Benzene	71-43-2	N	0.72	U	µg/L	4	0.72
		SW8260	Bromobenzene	108-86-1	N	1.1	U	µg/L	10	1.1
		SW8260	Bromochloromethane	74-97-5	N	1.32	U	µg/L	10	1.32
		SW8260	Bromodichloromethane	75-27-4	N	1.19	U	µg/L	5	1.19
		SW8260	Bromoform	75-25-2	N	1.82	F	µg/L	10	0.76
		SW8260	Bromomethane	74-83-9	N	2.28	U	µg/L	30	2.28
		SW8260	Carbon Tetrachloride	56-23-5	N	0.79	U	µg/L	10	0.79
		SW8260	Chlorobenzene	108-90-7	N	1.24	U	µg/L	5	1.24
		SW8260	Chloroethane	75-00-3	N	2.02	U	µg/L	10	2.02
		SW8260	Chloroform	67-66-3	N	2.26	F	µg/L	3	1.26
		SW8260	Chloromethane	74-87-3	N	1.45	U	µg/L	10	1.45

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Summary of Site 10 EISB Treatment System Analytical Data, First Quarter 2005

LTO&M First Quarter 2005 Report, Beale Air Force Base, California – Site 10 EISB Treatment System Monitoring Data

Sample Location	Sample Date	Method	Analyte	CAS No.	QA/QC Type	Result	Flag	Units	Reporting Limit	Method Detection Limit
<b>Site 10 EISB Treatment System – Extraction Well Results</b>										
10C032RW	1/19/2005	SW8260	cis-1,2-DCE	156-59-2	N	351		µg/L	10	0.95
		SW8260	cis-1,3-Dichloropropene	10061-01-5	N	1.03	U	µg/L	5	1.03
		SW8260	Dibromochloromethane	124-48-1	N	0.9	U	µg/L	5	0.9
		SW8260	Dibromomethane	74-95-3	N	1.15	U	µg/L	10	1.15
		SW8260	Dichlorodifluoromethane	75-71-8	N	1.32	U	µg/L	10	1.32
		SW8260	Ethylbenzene	100-41-4	N	0.79	U	µg/L	10	0.79
		SW8260	Hexachlorobutadiene	87-68-3	N	0.94	U	µg/L	6	0.94
		SW8260	Isopropylbenzene	98-82-8	N	0.78	U	µg/L	10	0.78
		SW8260	m,p-Xylene	108-38-3/1	N	1.37	U	µg/L	20	1.37
		SW8260	MEK (2-Butanone)	78-93-3	N	1.9	U	µg/L	100	1.9
		SW8260	Methyl t-butyl ether (MtBE)	1634-04-4	N	1.5	U	µg/L	50	1.5
		SW8260	Methylene Chloride	75-09-2	N	1.98	U	µg/L	10	1.98
		SW8260	MIBK (methyl isobutyl ketone)	108-10-1	N	1.5	U	µg/L	100	1.5
		SW8260	Naphthalene	91-20-3	N	0.53	U	µg/L	10	0.53
		SW8260	n-Butylbenzene	104-51-8	N	0.88	U	µg/L	10	0.88
		SW8260	n-Propylbenzene	103-65-1	N	0.76	U	µg/L	10	0.76
		SW8260	o-Xylene	95-47-6	N	0.89	U	µg/L	10	0.89
		SW8260	p-Isopropyltoluene	99-87-6	N	0.9	U	µg/L	10	0.9
		SW8260	sec-Butylbenzene	135-98-8	N	0.75	U	µg/L	10	0.75
		SW8260	Styrene	100-42-5	N	0.82	U	µg/L	10	0.82
		SW8260	TCE	79-01-6	N	2720		µg/L	100	9.85
		SW8260	Tert-Butylbenzene	98-06-6	N	0.7	U	µg/L	10	0.7
		SW8260	Tetrachloroethylene	127-18-4	N	55.7		µg/L	10	0.72
		SW8260	Toluene	108-88-3	N	0.79	U	µg/L	10	0.79
		SW8260	trans-1,2-DCE	156-60-5	N	1.89	F	µg/L	10	0.94
		SW8260	trans-1,3-Dichloropropene	10061-02-6	N	0.66	U	µg/L	10	0.66
		SW8260	Trichlorofluoromethane	75-69-4	N	1.74	U	µg/L	10	1.74
		SW8260	Vinyl Chloride	75-01-4	N	2.09	U	µg/L	10	2.09
		SW9056	Chloride	CHLORIDE	N	9.79		mg/L	1	0.011
		SW9056	Nitrate-N	NITRATE	N	1.48		mg/L	1	0.0022
		SW9056	Phosphate	Phosphate	N	0.048	F	mg/L	1	0.013
		SW9056	Sulfate	SULFATE	N	6.62		mg/L	1	0.008
	3/23/2005	RSK-175	Ethane	74-84-0	N	0.035	U	µg/L	0.85	0.035

# ATTACHMENT B2

## Summary of Site 10 EISB Treatment System Analytical Data, First Quarter 2005

LTO&M First Quarter 2005 Report, Beale Air Force Base, California – Site 10 EISB Treatment System Monitoring Data

Sample Location	Sample Date	Method	Analyte	CAS No.	QA/QC Type	Result	Flag	Units	Reporting Limit	Method Detection Limit
<b>Site 10 EISB Treatment System – Extraction Well Results</b>										
10C032RW	3/23/2005	RSK-175	Ethene	74-85-1	N	0.035	U	µg/L	0.85	0.035
		RSK-175	Methane	74-82-8	N	0.28	F	µg/L	0.64	0.02
		SW6010	Iron, dissolved	7439-89-6_D	N	0.014	F	mg/L	0.2	0.005
		SW6010	Manganese, dissolved	7439-96-5_D	N	0.0003	U	mg/L	0.01	0.0003
		SW8260	1,1,1,2-Tetrachloroethane	630-20-6	N	0.29	U	µg/L	2.5	0.29
		SW8260	1,1,1-TCA	71-55-6	N	0.39	U	µg/L	5	0.39
		SW8260	1,1,2,2-Tetrachloroethane	79-34-5	N	0.28	U	µg/L	2.5	0.28
		SW8260	1,1,2-TCA	79-00-5	N	0.36	U	µg/L	5	0.36
		SW8260	1,1-DCA	75-34-3	N	0.3	U	µg/L	5	0.3
		SW8260	1,1-DCE	75-35-4	N	0.37	U	µg/L	5	0.37
		SW8260	1,1-Dichloropropene	563-58-6	N	0.27	U	µg/L	5	0.27
		SW8260	1,2,3-Trichlorobenzene	87-61-6	N	0.44	U	µg/L	5	0.44
		SW8260	1,2,3-Trichloropropane	96-18-4	N	0.38	U	µg/L	5	0.38
		SW8260	1,2,4-Trichlorobenzene	120-82-1	N	0.32	U	µg/L	5	0.32
		SW8260	1,2,4-Trimethylbenzene	95-63-6	N	0.23	U	µg/L	5	0.23
		SW8260	1,2-DCA	107-06-2	N	0.43	U	µg/L	2.5	0.43
		SW8260	1,2-DCB	95-50-1	N	0.3	U	µg/L	5	0.3
		SW8260	1,2-Dibromo-3-chloropropane	96-12-8	N	0.59	U	µg/L	10	0.59
		SW8260	1,2-Dichloropropane	78-87-5	N	0.2	U	µg/L	5	0.2
		SW8260	1,2-EDB	106-93-4	N	0.37	U	µg/L	5	0.37
		SW8260	1,3,5-Trimethylbenzene	108-67-8	N	0.3	U	µg/L	5	0.3
		SW8260	1,3-DCB	541-73-1	N	0.32	U	µg/L	5	0.32
		SW8260	1,3-Dichloropropane	142-28-9	N	0.25	U	µg/L	2	0.25
		SW8260	1,4-DCB	106-46-7	N	0.34	U	µg/L	2.5	0.34
		SW8260	1-Chlorohexane	544-10-5	N	0.29	U	µg/L	5	0.29
		SW8260	2,2-Dichloropropane	594-20-7	N	0.45	U	µg/L	5	0.45
		SW8260	2-Chlorotoluene	95-49-8	N	0.28	U	µg/L	5	0.28
		SW8260	4-Chlorotoluene	106-43-4	N	0.3	U	µg/L	5	0.3
		SW8260	Acetone	67-64-1	N	2.4	U	µg/L	50	2.4
		SW8260	Benzene	71-43-2	N	0.31	U	µg/L	2	0.31
		SW8260	Bromobenzene	108-86-1	N	0.37	U	µg/L	5	0.37
		SW8260	Bromochloromethane	74-97-5	N	0.46	U	µg/L	5	0.46
		SW8260	Bromodichloromethane	75-27-4	N	0.36	U	µg/L	2.5	0.36

**ATTACHMENT B2**

Summary of Site 10 EISB Treatment System Analytical Data, First Quarter 2005

LTO&M First Quarter 2005 Report, Beale Air Force Base, California – Site 10 EISB Treatment System Monitoring Data

Sample Location	Sample Date	Method	Analyte	CAS No.	QA/QC Type	Result	Flag	Units	Reporting Limit	Method Detection Limit
<b>Site 10 EISB Treatment System – Extraction Well Results</b>										
10C032RW	3/23/2005	SW8260	Bromoform	75-25-2	N	0.42	U	µg/L	5	0.42
		SW8260	Bromomethane	74-83-9	N	0.51	U	µg/L	15	0.51
		SW8260	Carbon Tetrachloride	56-23-5	N	0.28	U	µg/L	5	0.28
		SW8260	Chlorobenzene	108-90-7	N	0.35	U	µg/L	2.5	0.35
		SW8260	Chloroethane	75-00-3	N	0.16	U	µg/L	5	0.16
		SW8260	Chloroform	67-66-3	N	1.5		µg/L	1.5	0.44
		SW8260	Chloromethane	74-87-3	N	0.2	U	µg/L	5	0.2
		SW8260	cis-1,2-DCE	156-59-2	N	223		µg/L	5	0.29
		SW8260	cis-1,3-Dichloropropene	10061-01-5	N	0.35	U	µg/L	2.5	0.35
		SW8260	Dibromochloromethane	124-48-1	N	0.16	U	µg/L	2.5	0.16
		SW8260	Dibromomethane	74-95-3	N	0.43	U	µg/L	5	0.43
		SW8260	Dichlorodifluoromethane	75-71-8	N	0.27	U	µg/L	5	0.27
		SW8260	Ethylbenzene	100-41-4	N	0.28	U	µg/L	5	0.28
		SW8260	Hexachlorobutadiene	87-68-3	N	0.37	U	µg/L	3	0.37
		SW8260	Isopropylbenzene	98-82-8	N	0.25	U	µg/L	5	0.25
		SW8260	m,p-Xylene	108-38-3/1	N	0.5	U	µg/L	10	0.5
		SW8260	MEK (2-Butanone)	78-93-3	N	1.4	U	µg/L	50	1.4
		SW8260	Methyl t-butyl ether (MtBE)	1634-04-4	N	0.29	U	µg/L	25	0.29
		SW8260	Methylene Chloride	75-09-2	N	0.33	U	µg/L	5	0.33
		SW8260	MIBK (methyl isobutyl ketone)	108-10-1	N	0.9	U	µg/L	50	0.9
		SW8260	Naphthalene	91-20-3	N	0.33	U	µg/L	5	0.33
		SW8260	n-Butylbenzene	104-51-8	N	0.3	U	µg/L	5	0.3
		SW8260	n-Propylbenzene	103-65-1	N	0.25	U	µg/L	5	0.25
		SW8260	o-Xylene	95-47-6	N	0.3	U	µg/L	5	0.3
		SW8260	p-Isopropyltoluene	99-87-6	N	0.21	U	µg/L	5	0.21
		SW8260	sec-Butylbenzene	135-98-8	N	0.28	U	µg/L	5	0.28
		SW8260	Styrene	100-42-5	N	0.25	U	µg/L	5	0.25
		SW8260	TCE	79-01-6	N	1830		µg/L	50	3.57
		SW8260	Tert-Butylbenzene	98-06-6	N	0.28	U	µg/L	5	0.28
		SW8260	Tetrachloroethylene	127-18-4	N	66.1		µg/L	5	0.39
		SW8260	Toluene	108-88-3	N	0.28	U	µg/L	5	0.28
		SW8260	trans-1,2-DCE	156-60-5	N	0.77	F	µg/L	5	0.36
		SW8260	trans-1,3-Dichloropropene	10061-02-6	N	0.27	U	µg/L	5	0.27

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Summary of Site 10 EISB Treatment System Analytical Data, First Quarter 2005

LTO&M First Quarter 2005 Report, Beale Air Force Base, California – Site 10 EISB Treatment System Monitoring Data

Sample Location	Sample Date	Method	Analyte	CAS No.	QA/QC Type	Result	Flag	Units	Reporting Limit	Method Detection Limit
<b>Site 10 EISB Treatment System – Extraction Well Results</b>										
10C032RW	3/23/2005	SW8260	Trichlorofluoromethane	75-69-4	N	0.32	U	µg/L	5	0.32
		SW8260	Vinyl Chloride	75-01-4	N	0.47	U	µg/L	5	0.47
		SW9030	Sulfide	SULFIDE	N	1.4	F	mg/L	2	0.97
	3/31/2005	E300.0M	Acetic Acid	64-19-7	N	0.0077	U	mg/L	0.1	0.0077
		E300.0M	Lactic Acid	50-21-5	N	0.011	U	mg/L	0.1	0.011
		E300.0M	Propionic Acid	79-09-4	N	0.0091	U	mg/L	0.1	0.0091
		SW9056	Chloride	CHLORIDE	N	11.9		mg/L	2	0.022
		SW9056	Nitrate-N	NITRATE	N	1.7		mg/L	1	0.0022
		SW9056	Nitrite-N	NITRITE	N	0.0058	U	mg/L	1	0.0058
		SW9056	Phosphate	Phosphate	N	0.013	U	mg/L	1	0.013
		SW9056	Sulfate	SULFATE	N	8.09		mg/L	1	0.008
10C045RW	1/19/2005	E300.0M	Acetic Acid	64-19-7	N	0.021	U	mg/L	0.1	0.021
		E300.0M	Lactic Acid	50-21-5	N	0.0083	U	mg/L	0.1	0.0083
		E300.0M	Propionic Acid	79-09-4	N	0.01	U	mg/L	0.1	0.01
		RSK-175	Ethane	74-84-0	N	0.03	U	µg/L	0.72	0.03
		RSK-175	Ethene	74-85-1	N	0.03	U	µg/L	0.73	0.03
		RSK-175	Methane	74-82-8	N	0.2	F	µg/L	0.54	0.017
		SW8260	1,1,1,2-Tetrachloroethane	630-20-6	N	0.09	U	µg/L	0.5	0.09
		SW8260	1,1,1-TCA	71-55-6	N	0.11	U	µg/L	1	0.11
		SW8260	1,1,2,2-Tetrachloroethane	79-34-5	N	0.11	U	µg/L	0.5	0.11
		SW8260	1,1,2-TCA	79-00-5	N	0.14	U	µg/L	1	0.14
		SW8260	1,1-DCA	75-34-3	N	0.13	U	µg/L	1	0.13
		SW8260	1,1-DCE	75-35-4	N	0.13	U	µg/L	1	0.13
		SW8260	1,1-Dichloropropene	563-58-6	N	0.07	U	µg/L	1	0.07
		SW8260	1,2,3-Trichlorobenzene	87-61-6	N	0.07	U	µg/L	1	0.07
		SW8260	1,2,3-Trichloropropane	96-18-4	N	0.11	U	µg/L	1	0.11
		SW8260	1,2,4-Trichlorobenzene	120-82-1	N	0.08	U	µg/L	1	0.08
		SW8260	1,2,4-Trimethylbenzene	95-63-6	N	0.07	U	µg/L	1	0.07
		SW8260	1,2-DCA	107-06-2	N	0.1	U	µg/L	0.5	0.1
		SW8260	1,2-DCB	95-50-1	N	0.11	U	µg/L	1	0.11
		SW8260	1,2-Dibromo-3-chloropropane	96-12-8	N	0.12	U	µg/L	2	0.12
		SW8260	1,2-Dichloropropane	78-87-5	N	0.12	U	µg/L	1	0.12
		SW8260	1,2-EDB	106-93-4	N	0.09	U	µg/L	1	0.09

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Summary of Site 10 EISB Treatment System Analytical Data, First Quarter 2005

LTO&M First Quarter 2005 Report, Beale Air Force Base, California – Site 10 EISB Treatment System Monitoring Data

Sample Location	Sample Date	Method	Analyte	CAS No.	QA/QC Type	Result	Flag	Units	Reporting Limit	Method Detection Limit
<b>Site 10 EISB Treatment System – Extraction Well Results</b>										
10C045RW	1/19/2005	SW8260	1,3,5-Trimethylbenzene	108-67-8	N	0.08	U	µg/L	1	0.08
		SW8260	1,3-DCB	541-73-1	N	0.1	U	µg/L	1	0.1
		SW8260	1,3-Dichloropropane	142-28-9	N	0.09	U	µg/L	0.4	0.09
		SW8260	1,4-DCB	106-46-7	N	0.13	U	µg/L	0.5	0.13
		SW8260	1-Chlorohexane	544-10-5	N	0.06	U	µg/L	1	0.06
		SW8260	2,2-Dichloropropane	594-20-7	N	0.12	U	µg/L	1	0.12
		SW8260	2-Chlorotoluene	95-49-8	N	0.08	U	µg/L	1	0.08
		SW8260	4-Chlorotoluene	106-43-4	N	0.07	U	µg/L	1	0.07
		SW8260	Acetone	67-64-1	N	0.6	U	µg/L	10	0.6
		SW8260	Benzene	71-43-2	N	0.07	U	µg/L	0.4	0.07
		SW8260	Bromobenzene	108-86-1	N	0.11	U	µg/L	1	0.11
		SW8260	Bromochloromethane	74-97-5	N	0.13	U	µg/L	1	0.13
		SW8260	Bromodichloromethane	75-27-4	N	0.12	U	µg/L	0.5	0.12
		SW8260	Bromoform	75-25-2	N	0.08	U	µg/L	1	0.08
		SW8260	Bromomethane	74-83-9	N	0.23	U	µg/L	3	0.23
		SW8260	Carbon Tetrachloride	56-23-5	N	0.08	U	µg/L	1	0.08
		SW8260	Chlorobenzene	108-90-7	N	0.12	U	µg/L	0.5	0.12
		SW8260	Chloroethane	75-00-3	N	0.2	U	µg/L	1	0.2
		SW8260	Chloroform	67-66-3	N	0.2	F	µg/L	0.3	0.13
		SW8260	Chloromethane	74-87-3	N	0.15	U	µg/L	1	0.15
		SW8260	cis-1,2-DCE	156-59-2	N	36.9		µg/L	1	0.1
		SW8260	cis-1,3-Dichloropropene	10061-01-5	N	0.1	U	µg/L	0.5	0.1
		SW8260	Dibromochloromethane	124-48-1	N	0.09	U	µg/L	0.5	0.09
		SW8260	Dibromomethane	74-95-3	N	0.11	U	µg/L	1	0.11
		SW8260	Dichlorodifluoromethane	75-71-8	N	0.13	U	µg/L	1	0.13
		SW8260	Ethylbenzene	100-41-4	N	0.08	U	µg/L	1	0.08
		SW8260	Hexachlorobutadiene	87-68-3	N	0.09	U	µg/L	0.6	0.09
		SW8260	Isopropylbenzene	98-82-8	N	0.08	U	µg/L	1	0.08
		SW8260	m,p-Xylene	108-38-3/1	N	0.14	U	µg/L	2	0.14
		SW8260	MEK (2-Butanone)	78-93-3	N	0.2	U	µg/L	10	0.2
		SW8260	Methyl t-butyl ether (MtBE)	1634-04-4	N	0.15	U	µg/L	5	0.15
		SW8260	Methylene Chloride	75-09-2	N	0.2	U	µg/L	1	0.2
		SW8260	MIBK (methyl isobutyl ketone)	108-10-1	N	0.1	U	µg/L	10	0.1

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Summary of Site 10 EISB Treatment System Analytical Data, First Quarter 2005

LTO&M First Quarter 2005 Report, Beale Air Force Base, California – Site 10 EISB Treatment System Monitoring Data

Sample Location	Sample Date	Method	Analyte	CAS No.	QA/QC Type	Result	Flag	Units	Reporting Limit	Method Detection Limit
<b>Site 10 EISB Treatment System – Extraction Well Results</b>										
10C045RW	1/19/2005	SW8260	Naphthalene	91-20-3	N	0.05	U	µg/L	1	0.05
		SW8260	n-Butylbenzene	104-51-8	N	0.09	U	µg/L	1	0.09
		SW8260	n-Propylbenzene	103-65-1	N	0.08	U	µg/L	1	0.08
		SW8260	o-Xylene	95-47-6	N	0.09	U	µg/L	1	0.09
		SW8260	p-Isopropyltoluene	99-87-6	N	0.09	U	µg/L	1	0.09
		SW8260	sec-Butylbenzene	135-98-8	N	0.07	U	µg/L	1	0.07
		SW8260	Styrene	100-42-5	N	0.08	U	µg/L	1	0.08
		SW8260	TCE	79-01-6	N	169		µg/L	50	4.93
		SW8260	Tert-Butylbenzene	98-06-6	N	0.07	U	µg/L	1	0.07
		SW8260	Tetrachloroethylene	127-18-4	N	2.12		µg/L	1	0.07
		SW8260	Toluene	108-88-3	N	0.08	U	µg/L	1	0.08
		SW8260	trans-1,2-DCE	156-60-5	N	0.13	F	µg/L	1	0.09
		SW8260	trans-1,3-Dichloropropene	10061-02-6	N	0.07	U	µg/L	1	0.07
		SW8260	Trichlorofluoromethane	75-69-4	N	0.17	U	µg/L	1	0.17
		SW8260	Vinyl Chloride	75-01-4	N	0.21	U	µg/L	1	0.21
	3/23/2005	E300.0M	Acetic Acid	64-19-7	N	0.0077	U	mg/L	0.1	0.0077
		E300.0M	Lactic Acid	50-21-5	N	1.49		mg/L	0.1	0.011
		E300.0M	Propionic Acid	79-09-4	N	0.0091	U	mg/L	0.1	0.0091
		RSK-175	Ethane	74-84-0	N	0.036	U	µg/L	0.88	0.036
		RSK-175	Ethene	74-85-1	N	0.037	U	µg/L	0.88	0.037
		RSK-175	Methane	74-82-8	N	0.13	F	µg/L	0.66	0.021
		SW8260	1,1,1,2-Tetrachloroethane	630-20-6	N	0.06	U	µg/L	0.5	0.06
		SW8260	1,1,1-TCA	71-55-6	N	0.08	U	µg/L	1	0.08
		SW8260	1,1,2,2-Tetrachloroethane	79-34-5	N	0.06	U	µg/L	0.5	0.06
		SW8260	1,1,2-TCA	79-00-5	N	0.07	U	µg/L	1	0.07
		SW8260	1,1-DCA	75-34-3	N	0.06	U	µg/L	1	0.06
		SW8260	1,1-DCE	75-35-4	N	0.07	U	µg/L	1	0.07
		SW8260	1,1-Dichloropropene	563-58-6	N	0.05	U	µg/L	1	0.05
		SW8260	1,2,3-Trichlorobenzene	87-61-6	N	0.09	U	µg/L	1	0.09
		SW8260	1,2,3-Trichloropropane	96-18-4	N	0.08	U	µg/L	1	0.08
		SW8260	1,2,4-Trichlorobenzene	120-82-1	N	0.06	U	µg/L	1	0.06
		SW8260	1,2,4-Trimethylbenzene	95-63-6	N	0.05	U	µg/L	1	0.05
		SW8260	1,2-DCA	107-06-2	N	0.09	U	µg/L	0.5	0.09

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Summary of Site 10 EISB Treatment System Analytical Data, First Quarter 2005

LTO&M First Quarter 2005 Report, Beale Air Force Base, California – Site 10 EISB Treatment System Monitoring Data

Sample Location	Sample Date	Method	Analyte	CAS No.	QA/QC Type	Result	Flag	Units	Reporting Limit	Method Detection Limit
<b>Site 10 EISB Treatment System – Extraction Well Results</b>										
10C045RW	3/23/2005	SW8260	1,2-DCB	95-50-1	N	0.06	U	µg/L	1	0.06
		SW8260	1,2-Dibromo-3-chloropropane	96-12-8	N	0.12	U	µg/L	2	0.12
		SW8260	1,2-Dichloropropane	78-87-5	N	0.04	U	µg/L	1	0.04
		SW8260	1,2-EDB	106-93-4	N	0.07	U	µg/L	1	0.07
		SW8260	1,3,5-Trimethylbenzene	108-67-8	N	0.06	U	µg/L	1	0.06
		SW8260	1,3-DCB	541-73-1	N	0.06	U	µg/L	1	0.06
		SW8260	1,3-Dichloropropane	142-28-9	N	0.05	U	µg/L	0.4	0.05
		SW8260	1,4-DCB	106-46-7	N	0.07	U	µg/L	0.5	0.07
		SW8260	1-Chlorohexane	544-10-5	N	0.06	U	µg/L	1	0.06
		SW8260	2,2-Dichloropropane	594-20-7	N	0.09	U	µg/L	1	0.09
		SW8260	2-Chlorotoluene	95-49-8	N	0.06	U	µg/L	1	0.06
		SW8260	4-Chlorotoluene	106-43-4	N	0.06	U	µg/L	1	0.06
		SW8260	Acetone	67-64-1	N	0.5	U	µg/L	10	0.5
		SW8260	Benzene	71-43-2	N	0.06	U	µg/L	0.4	0.06
		SW8260	Bromobenzene	108-86-1	N	0.07	U	µg/L	1	0.07
		SW8260	Bromochloromethane	74-97-5	N	0.09	U	µg/L	1	0.09
		SW8260	Bromodichloromethane	75-27-4	N	0.07	U	µg/L	0.5	0.07
		SW8260	Bromoform	75-25-2	N	0.08	U	µg/L	1	0.08
		SW8260	Bromomethane	74-83-9	N	0.1	U	µg/L	3	0.1
		SW8260	Carbon Tetrachloride	56-23-5	N	0.06	U	µg/L	1	0.06
		SW8260	Chlorobenzene	108-90-7	N	0.07	U	µg/L	0.5	0.07
		SW8260	Chloroethane	75-00-3	N	0.03	U	µg/L	1	0.03
		SW8260	Chloroform	67-66-3	N	0.16	F	µg/L	0.3	0.09
		SW8260	Chloromethane	74-87-3	N	0.04	U	µg/L	1	0.04
		SW8260	cis-1,2-DCE	156-59-2	N	27.6		µg/L	1	0.06
		SW8260	cis-1,3-Dichloropropene	10061-01-5	N	0.07	U	µg/L	0.5	0.07
		SW8260	Dibromochloromethane	124-48-1	N	0.03	U	µg/L	0.5	0.03
		SW8260	Dibromomethane	74-95-3	N	0.09	U	µg/L	1	0.09
		SW8260	Dichlorodifluoromethane	75-71-8	N	0.05	U	µg/L	1	0.05
		SW8260	Ethylbenzene	100-41-4	N	0.06	U	µg/L	1	0.06
		SW8260	Hexachlorobutadiene	87-68-3	N	0.07	U	µg/L	0.6	0.07
		SW8260	Isopropylbenzene	98-82-8	N	0.05	U	µg/L	1	0.05
		SW8260	m,p-Xylene	108-38-3/1	N	0.1	U	µg/L	2	0.1

**ATTACHMENT B2**

Summary of Site 10 EISB Treatment System Analytical Data, First Quarter 2005

LTO&amp;M First Quarter 2005 Report, Beale Air Force Base, California – Site 10 EISB Treatment System Monitoring Data

Sample Location	Sample Date	Method	Analyte	CAS No.	QA/QC Type	Result	Flag	Units	Reporting Limit	Method Detection Limit
<b>Site 10 EISB Treatment System – Extraction Well Results</b>										
10C045RW	3/23/2005	SW8260	MEK (2-Butanone)	78-93-3	N	0.3	U	µg/L	10	0.3
		SW8260	Methyl t-butyl ether (MtBE)	1634-04-4	N	0.06	U	µg/L	5	0.06
		SW8260	Methylene Chloride	75-09-2	N	0.07	U	µg/L	1	0.07
		SW8260	MIBK (methyl isobutyl ketone)	108-10-1	N	0.2	U	µg/L	10	0.2
		SW8260	Naphthalene	91-20-3	N	0.07	U	µg/L	1	0.07
		SW8260	n-Butylbenzene	104-51-8	N	0.06	U	µg/L	1	0.06
		SW8260	n-Propylbenzene	103-65-1	N	0.05	U	µg/L	1	0.05
		SW8260	o-Xylene	95-47-6	N	0.06	U	µg/L	1	0.06
		SW8260	p-Isopropyltoluene	99-87-6	N	0.04	U	µg/L	1	0.04
		SW8260	sec-Butylbenzene	135-98-8	N	0.06	U	µg/L	1	0.06
		SW8260	Styrene	100-42-5	N	0.05	U	µg/L	1	0.05
		SW8260	TCE	79-01-6	N	124		µg/L	50	3.57
		SW8260	Tert-Butylbenzene	98-06-6	N	0.06	U	µg/L	1	0.06
		SW8260	Tetrachloroethylene	127-18-4	N	1.66		µg/L	1	0.08
		SW8260	Toluene	108-88-3	N	0.06	U	µg/L	1	0.06
		SW8260	trans-1,2-DCE	156-60-5	N	0.15	F	µg/L	1	0.07
		SW8260	trans-1,3-Dichloropropene	10061-02-6	N	0.05	U	µg/L	1	0.05
		SW8260	Trichlorofluoromethane	75-69-4	N	0.06	U	µg/L	1	0.06
		SW8260	Vinyl Chloride	75-01-4	N	0.09	U	µg/L	1	0.09

Notes:

U = Not Detected.

FD = Field Duplicate.

N = Normal Sample.

## Qualifier Description

B = The analyte was found in an associated blank, as well as in the sample.

F = The analyte was positively identified but the associated numerical value is below the reporting limit (RL).

J = The analyte was positively identified, the quantitation is an estimate.

M = A matrix effect was present.